SLV-757/NC/UB/VP
RMT-V757B

SERVICE MANUAL

E Model
AEP Model
SLV-757NC

UK Model
SLV-757UB

AEP Model
Australian Model
SLV-757

E Model
West Germany Model
SLV-757VP

Refer to the SERVICE MANUAL of VHS MECHANICAL ADJUSTMENTS Ⅱ for MECHANICAL ADJUSTMENTS. (9-972-816-11)

SPECIFICATIONS

System

Format	VHS PAL standard
Video recording system	Rotary two-head helical scanning FM system
Video signal	PAL colour (System B and G: SLV-757/757VP/757NC, System I: SLV-757UB) DDR SECAM colour (SLV-757VP) CCIR monochrome signals 625 lines
Tape speed	SP: 23.39 mm/sec. LP: 11.70 mm/sec.
Maximum recording/playback time	SP: 4 hours (with E-240) LP: 8 hours (with E-240)
Fast-froward/rewind time	Approx. 4 min. 20 sec. (with E-195)
High speed rewind time	Approx. 2 min. 50 sec. (with E-195)

Tuner Section

Tuner system (audio)	Intercarrier system
Channel coverage	SLV-757/757VP/757NC VHF channels E2 – E12 (including channel C) CATV channels S01 – S05 CATV channels S1 – S20 HYPER S21 – S41 UHF channels E21 – E69 SLV-757UB UHF channels B21 – B68
RF output signal	SLV-757/757VP/757NC UHF channels E30 – E39 (adjustable) SLV-757UB UHF channels B30 – B39 (adjustable)
Aerial input	75-ohms asymmetrical aerial socket
Intermediate frequency	IF-Video: 38.9MHz IF-Audio: 33.4MHz

Inputs and Outputs

Video inputs	LINE IN 1 and 2: phono jacks (1 each) EURO-AV: 21-pin (pin 20) 1 Vp-p, 75 ohms, unbalanced, sync negative
Audio inputs	LINE IN 1 and 2: phono jacks (2 each) 47 kilohms, −7.5 dBs (0 dBs = 0.775 V rms) EURO-AV: 21-pin (pins 2 and 6) More than 10 kilohms, −4 dBs
Video outputs	LINE OUT: phono jack (1) EURO-AV: 21-pin (pin 19) 1 Vp-p, 75 ohms, unbalanced, sync negative

— Continued on page 2 —

MICROFILM

VHS VIDEO CASSETTE RECORDER

SONY®

Audio outputs	LINE OUT: phono jacks (2) −7.5 dBs at load impedance: 47 kilohms Output impedance: less than 10 kilohms EURO-AV: 21-pin (pins 1 and 3) Output impedance: less than 1 kilohm −4 dBs with 10 kilohm load
CONTROL S IN	Minijack (1)
CONTROL S OUT	Minijack (1)
CONTROL L	5-pin DIN (1)
Microphone input	Minijack (1) Input impedance: −60dBs for low impedance microphone
Headphone input	Stereo minijack (1) Impedance more than 8 ohms Output 45mW (8 ohms)

Timer Section

Clock	Quartz locked
Time indication	24-hour cycle
Timer setting	Only for recording 8 programmes in one month at max.
Timer back-up	Built-in self-charging capacitor Back-up duration: Up to 3 hours at one time

General

Power requirements	240 V AC, 50 Hz (SLV-757UB) 220 V AC, 50 Hz (SLV-757/757VP/757NC)
Power consumption	35 W
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	−20°C to 60°C (−4°F to 140°F)
Dimensions	430 × 110 × 387 mm (w/h/d) (17 × $4^3/_8$ × $14^1/_4$ inches)
Weight	SLV-757/757VP: 7.1 kg (15 lb 10 oz) SLV-757UB/757NC: 7.4 kg (16 lb 5 oz)

Wireless Commander RMT-V757B

Remote control system	Infrared control
Command mode	VTR 1/2/3
Power requirements	3 V DC, two IEC designation R6 batteries
Dimensions	77.5 × 20 × 219 mm (w/h/d) (3-1/8 × 13/16 × 8-5/8 inches)
Weight	170 g (5 oz) excluding batteries

Accessories Supplied

Wireless Remote Commander RMT-V757B with two R6 batteries
75-ohm coaxial cable (1)
Video connecting cable (1)
Audio connecting cable (1)
Screwdriver for RF channel adjustment (1)
Mains lead (1)

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SECTION 1
SERVICE NOTE

1-1. Returning the pinch roller, guide roller and elevator cam to a stop state.

①Remove the bottom plate.
②The cam motor is on the bottom side of the MD (between the front panel and the MD-22 PC board). Turn the worm gear Ⓐ on the MD in the direction shown by arrow Ⓑ.

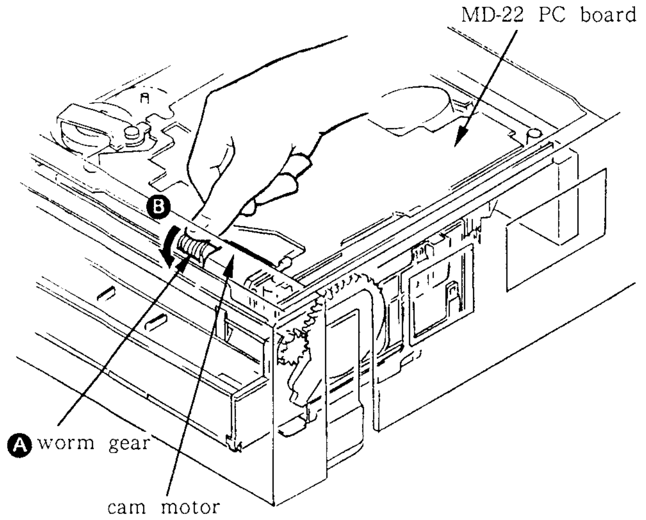

MD-22 PC board
Ⓑ
Ⓐ worm gear
cam motor

Fig. 1-1

1-2. Housing the tape in the cassette half.

Use your finger to turn the flywheel Ⓐ on the capstan motor in the direction of arrow Ⓑ. The tape will be housed in the cassette half.

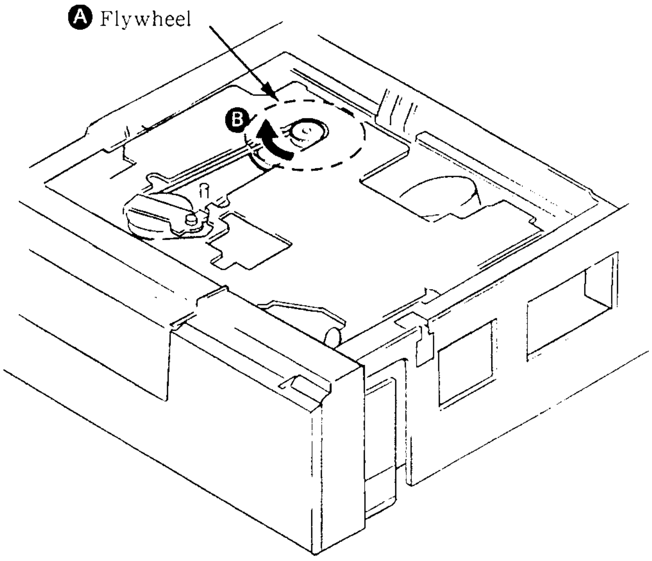


Fig. 1-2

1-3. Removing the cassette when the equipment malfunctions with a cassette inserted.

①Remove the upper case.
②Turn the worm gear Ⓐ of the FL cassette compartment motor in the direction shown by arrow Ⓑ.

Caution

When carrying out steps 1-1 to 1-3, be careful that the slack in the tape does not catch and that the tape is not damaged.

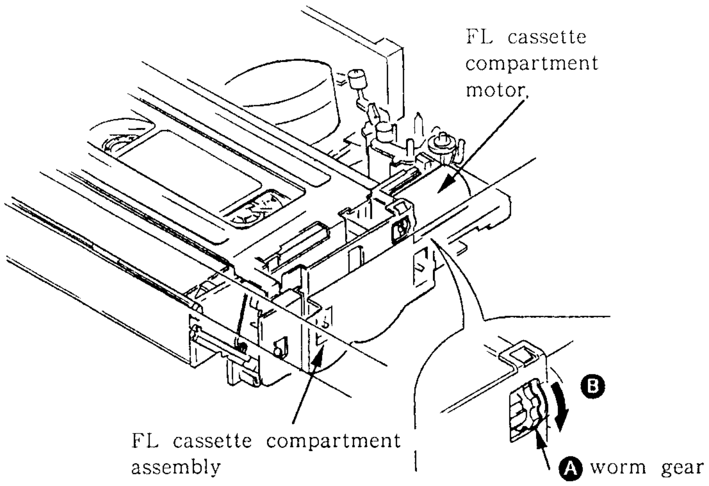

FL cassette compartment motor
Ⓑ
FL cassette compartment assembly
Ⓐ worm gear

Fig. 1-3

Replacing The Upper Drum

1-4. Removing the upper drum.

①Refer to Fig.1-4 to remove the screw ❶ (3×5) and then remove the axle ground.

②Completely remove the revolving upper drum PC board and the solder at sixteen points as shown by the arrows.

③Refer to Fig.1-5 to remove the two screws ❸ (PW3×8) and remove the revolving upper drum in the direction shown by arrow 🅐. If the drum proves difficult to remove, try tilting slightly backward and left and right.

Note : When the drum cannot be removed, check again to ingure that all solder has been removed.

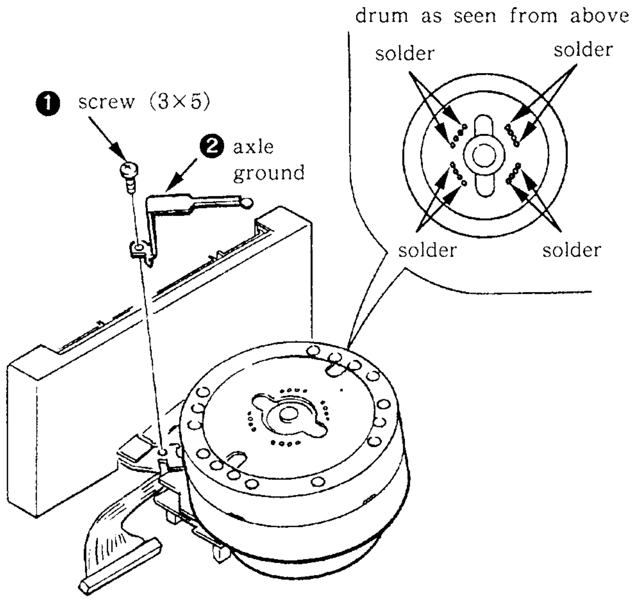


Fig. 1-4

1-5. Attaching the upper drum.

①When inserting the revolving drum in the lower drum, be very careful not to leave fingerprints or other soiling on the contact surface.

②Refer to Fig.1-5 and make sure SP1 on the revolving upper drum PC board is aligned in the same direction as S1 on the rotor transformer PC board (lower drum side).
Attach so that the holes on the upper and lower drums are aligned with each other.

③If it proves difficult to attach the drum, attach while moving the drum slightly backward and foward and left and right.

Caution : Be careful not to damage the head at this time.
Also make sure that the drum is securely inserted and not rattling.

④Refer to Fig.1-5 to tighten the two screws ❸ (PW3×8).

Caution : Lightly tighten one of the screws and then the other screw and check to see that there is no rattling before tightening the screws completely.

⑤Solder the sixteen locations on the PC board from the revolving drum.

⑥Tighten screw ❶ (3×5) so that the protruding portion on the end of axle ground ❷ is in contact with the center of the drum axle.

Caution : When attaching the axle ground ❷ be careful not to apply pressure to the spring section of the axle ground.

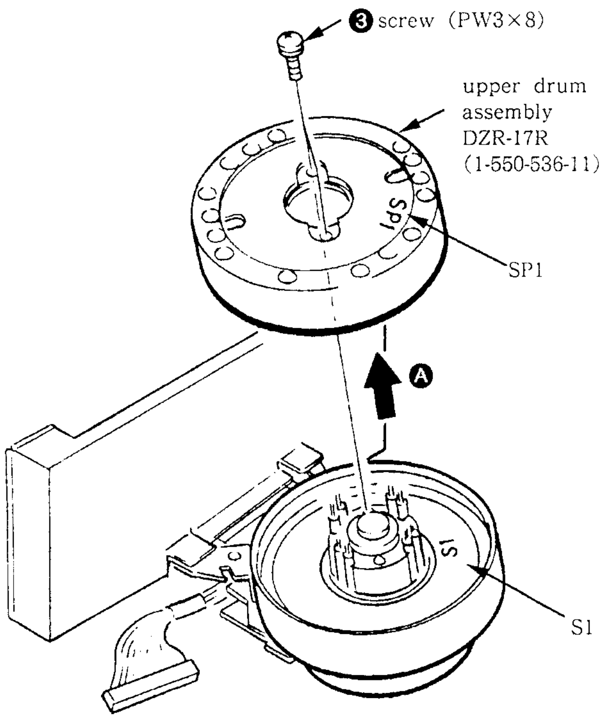


Fig. 1-5

This section is extracted from instraction manual.

Main Features

For Editing

- Edit monitor function allows easier editing by displaying both the edit source picture and the picture to be edited on the TV screen.
- Flying erase head allows smooth transition between two recordings.
- Synchronized editing either from or onto this unit is possible.
- Two kinds of remote control terminals, CONTROL L and CONTROL S IN jacks, allow this VTR to be remotely controlled by other equipment involved in tape editing.
- Video/audio input jacks on the front panel offers easy connection to other VTRs.

On-screen Displays

- Information on the tape counter, tape speed, and remaining tape length, can be displayed on the TV screen.
- Auto menu can be displayed to set the unit to the desired automatic tape operation.
- P in P (picture in picture) function allows watching a small TV picture in the playback picture and vice versa.
- Information on the pre-selected timer recording programmes can be called up on the screen with a press of the button.

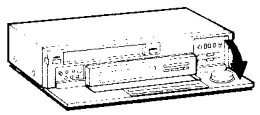
Convenient Functions

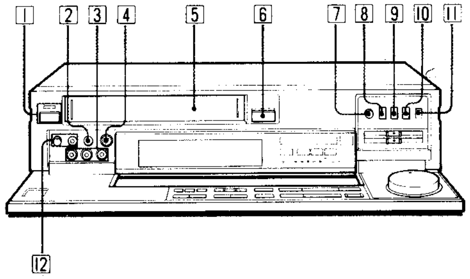
- Auto tracking function automatically adjusts the tracking condition for maximum picture and sound quality.
- SWING SHUTTLE dial on the VTR and shuttle edit buttons on the Remote Commander allows quick access to the desired scene.
- The wireless Commander with liquid crystal display (LCD) provides access to almost all of the VTR controls and makes timer setting easy.
- Timer recording of up to eight programmes, up to one month in advance, can be set.
- The beginning of the desired scene can be located easily with the index scan/index search function.
- The NICAM broadcast (stereo/bilingual programmes in Nordic countries) can be received. (SLV-757UB/757NC only)

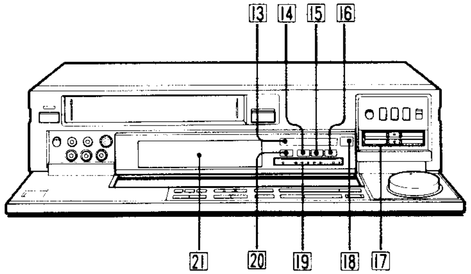
High-quality Picture

- Sharp, finely detailed pictures are possible through the use of High Quality (HQ) picture technology.
- **HQ**
  Video Cassette Recorders (VTR) with this marking incorporate VHS high-quality picture technology and are compatible with any video cassette recorders bearing the VHS mark.

Identifying the Operational Parts



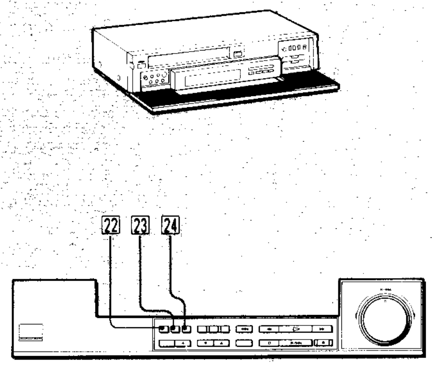




Front

1. **ON/STANDBY switch and indicator**
2. **MIC jack (mini type)**
   Connect a microphone.
3. **LINE IN 2 VIDEO/AUDIO jacks**
4. **CONTROL L connector (5-pin DIN type)** (page 69)
   Connect to the CONTROL L connector of other Sony product for systematic operations such as synchronized editing.
5. **Cassette compartment** (page 24)
6. **≜ EJECT button**
   Press to eject the cassette. This button does not function during recording.
7. **SHARPNESS (SOFT/SHARP) control**
   Use to adjust the sharpness of the picture.
8. **EDIT MONITOR button** (page 73, 75, 76)
   Press to display the picture selected with the INPUT SELECT switch and that being recorded on this unit simultaneously.
9. **SYNCHRO EDIT button** (page 73, 74)
   Press to perform synchronized editing.
10. **VPS (Video Programme System) ON/OFF switch (SLV-757VP only)**
    (page 57)
11. **COMMAND MODE selector** (page 16)
    Set to the same position as the COMMAND MODE button on the Commander.
12. **HEADPHONES jack (stereo mini type) and LEVEL (headphone level) control**
13. **AUTO TRACKING indicator** (page 26)
14. **SYNCHRO EDIT indicator**
15. **AUDIO INSERT indicator**
16. **VIDEO INSERT indicator**
17. **REC LEVEL controls** (page 65)
    Adjust the audio recording level. Normally set these controls at the center indented position.
18. **Remote sensor**
    Point the Commander here.
19. **SWING SHUTTLE indicator**
    According to the tape transport, the corresponding indicator will light.
20. **EDIT MONITOR indicator**
21. **Display window**

Identifying the Operational Parts

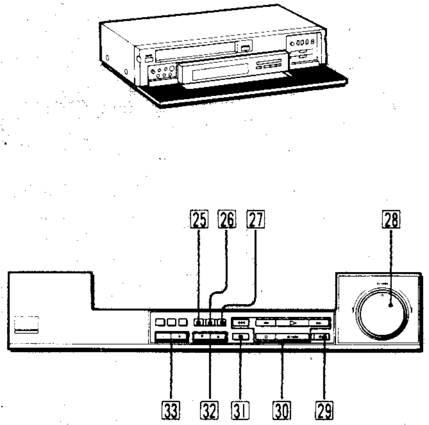


Front

22 **TV/VTR button** (page 40)
Press and light the VTR indicator in the display window to view the playback of the VTR or a programme selected on the VTR. Press this button again to turn off the VTR indicator to view a programme selected on the TV. This button is effective only when the VTR is connected to the TV via the EURO-AV connector.

23 **INPUT SELECT switch** (page 20, 37)
Press to select the signals to be recorded by the VTR. The selected mode will be indicated in the display window as follows:
TUNER: To record TV programmes.
LINE L1: To record the signals from equipment connected to the LINE IN 1 jacks or EURO-AV connector. When both LINE IN 1 and EURO-AV connector are connected, the signals from the LINE IN 1 jacks have priority.
LINE L2: To record the signals from equipment connected to the LINE IN 2 jacks.

24 **REC MODE SP/LP button** (page 37)
Press to select the recording tape speed, SP or LP.



Front

25 **EDIT ON/OFF button** (page 66)
Set to ON during editing to obtain a high quality picture.

26 **TIMER REC ON/OFF button**
Press to deactivate or reactivate the timer recording standby mode when using the VTR before timer recording.

27 **QUICK TIMER button** (page 59)
Press to activate the quick timer recording function.

28 **SWING SHUTTLE dial (FORWARD/REVERSE)** (page 28)

29 ● **REC (record) switch** (page 37)

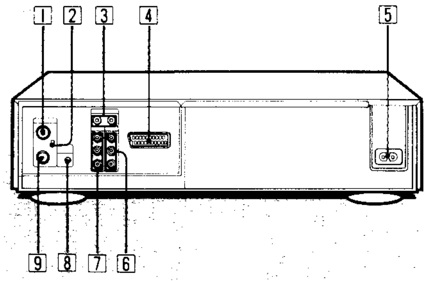
30 **Tape transport buttons** (page 25, 27)
◀◀ REW (rewind) button
▷ PLAY button
▶▶ FF (fast forward) button
■ STOP button
❚❚/▶◀ PAUSE/STILL button
◀◀◀ HIGH SPEED REWIND button

31 **TRACKING AUTO/MANUAL button** (page 26)
Press to reactivate the automatic tracking function after manual tracking adjustment.

32 **TRACKING NORMAL/SLOW and STILL ADJUST buttons** (page 26)
Press either of the buttons to clear streaks that may appear on the screen when playing back tapes in normal or slow speed or to eliminate the picture shifts that may occur depending upon the connected TV.

33 **PROGRAM +/– buttons**
Press to select the programme positions.

Identifying the Operational Parts



Rear

1 **AERIAL IN socket** (page 14)

2 **DX/LOCAL switch**
Normally set to DX. If the TV signal is very strong, set it to LOCAL.

3 **CONTROL S IN/OUT jacks (minijack)** (page 71, 72)
Connect to the CONTROL S output/input jack of other Sony product for systematic operations such as synchronized editing or remote control operation.

4 ⊖ **EURO-AV connector (21-pin)** (page 14)
The on-screen display is available via this connector.

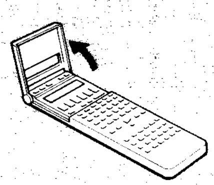
5 **AC INPUT**
Connect the supplied AC power cord.

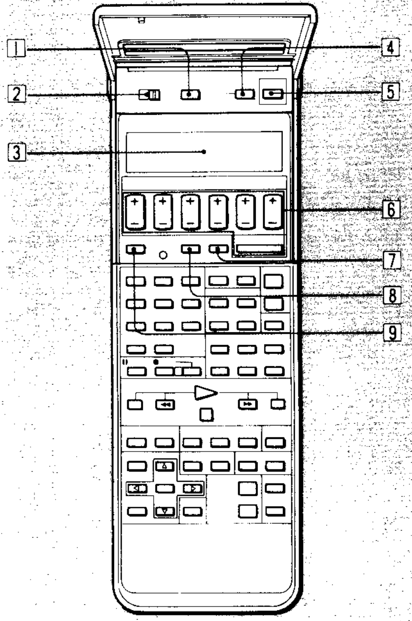
6 **LINE OUT VIDEO/AUDIO jacks (phono type)** (page 14, 68)
The on-screen display is not available via these jacks.

7 **LINE IN 1 VIDEO/AUDIO jacks (phono type)**

8 **RF CHANNEL screw (30 to 39)** (page 19)

9 **AERIAL OUT socket** (page 14)





Remote Commander [illegible]

- The buttons on the Commander with the same name or mark as those on the unit have the same function.
- The buttons with a red dot inscribed on top can be used to remotely control Sony TVs with the ■ mark when the TV / VTR remote control selector is set to TV.
- Keep the upper cover closed except where noted.

1 **TIMER REC (ON/OFF) button**

2 **TV / VTR remote control selector** (page 16)
Set to VTR to control this VTR and set to TV to control the TV.

3 **Liquid-crystal display**

4 **TV/VTR button** (page 40)

5 ⏻ **(on/standby) button**

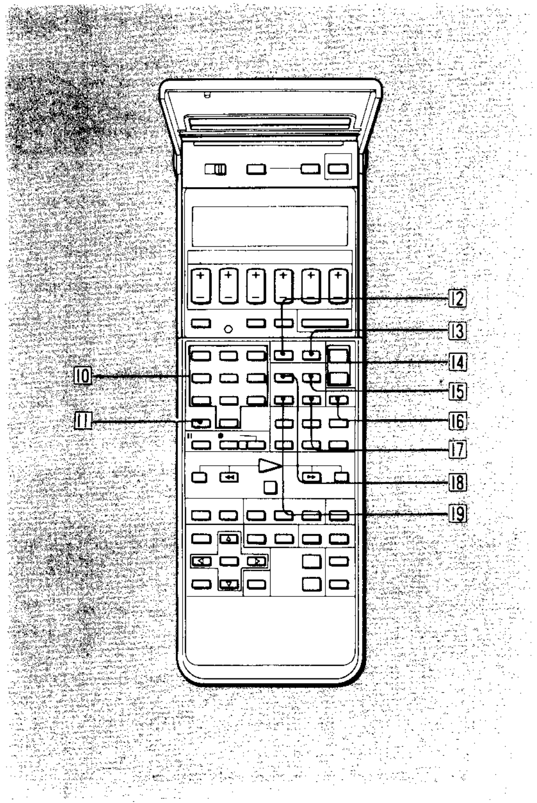
6 **Timer recording/clock set buttons** (page 17, 48)
● DAY
● TURN ON time
● TURN OFF time
● PROG (programme position)
● TRANSMIT

7 **MEMORY button** (page 55)

8 **CLOCK SET button** (page 17)

9 **COMMAND MODE button** (page 16)

Identifying the Operational Parts



Remote Commander RMT-V757B

10 **Programme position number buttons**
Press to select the programme position directly.

11 **– / – – (10's digit) button**
Press to select a programme number over 9. To select 23, press – / – –, then 2 and 3.

12 **INPUT SELECT button** (page 37, 50, 67, 73, 75)
Open the cover to select the input signal for timer recording. Close the cover to change the current input setting.

13 **REC MODE select button** (page 37, 48)
Open the cover to select the recording tape speed for timer recording. Close the cover to change the current recording tape speed.

14 **PROG (programme) + / – buttons**

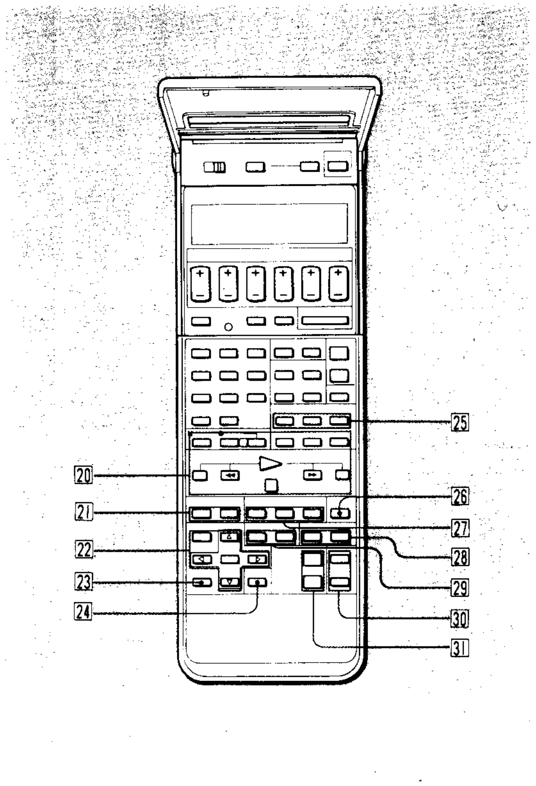
15 **AUDIO MONITOR button** (page 29, 42, 43)

16 **INDEX button** (page 62, 63, 64)

17 **COUNTER RESET button** (page 45)

18 **DATA SCREEN button** (page 33)

19 **EDIT MONITOR button** (page 73, 75, 76)



20 **Tape transport buttons** (page 25, 27)
❚❚ PAUSE
● REC (recording) buttons
▮▶ SLOW + / –
× **2**
⏪ / ⏩ SEARCH (reverse/forward)
◀◀ REW (rewind)
▷ PLAY
▶▶ FF (fast-forward)
■ STOP

21 **SHUTTLE EDIT buttons** (page 38)

22 **Menu operation buttons**
Press MENU to display or erase the main MENU. Press EXECUTE to store the selected parameters. Press ▲/▼/◀/▶ to move the cursor.

23 **FUNCTION MEMORY button** (page 36)

24 **TIMER ON SCREEN button** (page 51)
Press to display the timer settings on the TV screen.

25 **Playback direction set, frame-by-frame, and still buttons** (page 27)
Press ▶◀ FRAME for a still picture.
Press < ◀II / II▶ > to select the direction for frame-by-frame picture.
Press < ◀II / II▶ > to select the direction for any playback mode.

26 **TV SCAN button** (page 32, 41)

27 **P in P (picture in picture) buttons** (page 31)
P in P to display the subsidiary picture.
SHIFT to change the position of the subsidiary picture.
DIGITAL OFF to turn off the subsidiary picture.

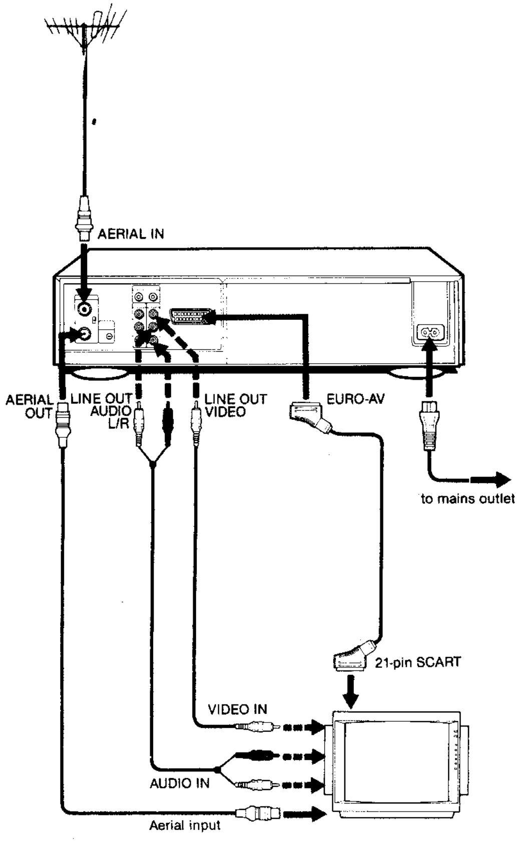
28 **INDEX MARK and ERASE buttons** (page 61, 64)

29 **AUDIO/VIDEO INSERT buttons** (page 76)

30 **TIMER CHECK/TIMER CLEAR buttons** (page 52)
Press to check, correct, or clear the timer settings.

31 **VOL (TV volume) + / – buttons**
Press to control the volume of the TV. Effective only for Sony TVs with the ▣ mark.

Connections



Before You Begin

- Turn off the power to the unit and TV.
- Do not connect the mains lead until all of the connections are complete.
- Connect firmly since a loose connection may cause picture distortion.

Using the AERIAL IN/OUT Sockets

1 **Connect the aerial to the AERIAL IN of this VTR.**

2 **Connect the AERIAL OUT of this VTR to the aerial input terminal of the TV using the supplied aerial cable.**

Additional Connections for Higher Picture Quality

■ Using the EURO-AV connector

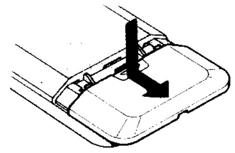
If your TV is equipped with a 21-pin SCART connector, connect it to the VTR's EURO-AV connector using the optional VMC-2121CE cable to view a higher quality picture.

■ Using the VIDEO/AUDIO LINE OUT jacks

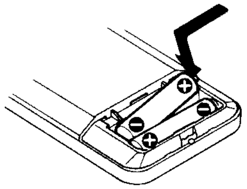
If your TV is equipped with video/audio input jacks, connect it to the VTR's VIDEO/AUDIO LINE OUT jacks to view a higher quality picture. **Note that the on-screen display will not be available if connection is made via these jacks.**

Remote Control Operation

1



2



Preparing the Commander

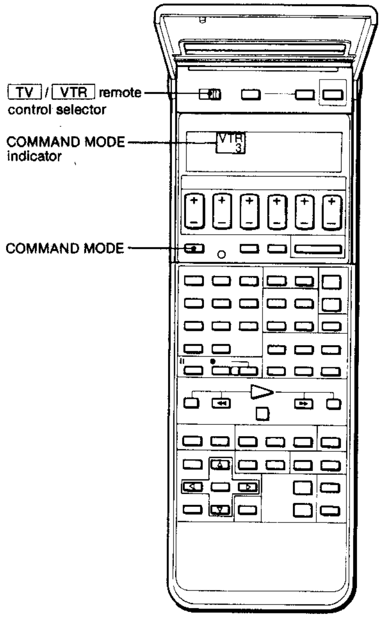
■ Battery insertion

1 **Slide and remove the cover.**

2 **Insert two R6 (size AA) batteries with polarity positioned correctly.**

3 **Close the cover. The clock on the Commander will read – D –:– –. Set the date and clock referring to the "Date and Clock Setting."**

Note on batteries
With normal operation, batteries will last for about six months. However, if the Commander will not be used for a long period, remove the batteries to avoid possible damage from battery leakage.


TV / VTR remote control selector
COMMAND MODE indicator
COMMAND MODE
VTR 3

Command Mode Setting

Set the COMMAND MODE 1/2/3 selector on the unit to the same number displayed in the LCD. To change the setting on the Commander, press COMMAND MODE repeatedly. Then, set the TV / VTR remote control selector to VTR.

Remotely Controlling Other Sony Equipment

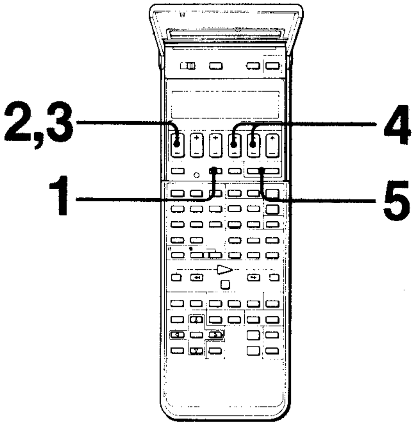
■Controlling another VTR equipped with a command mode selector

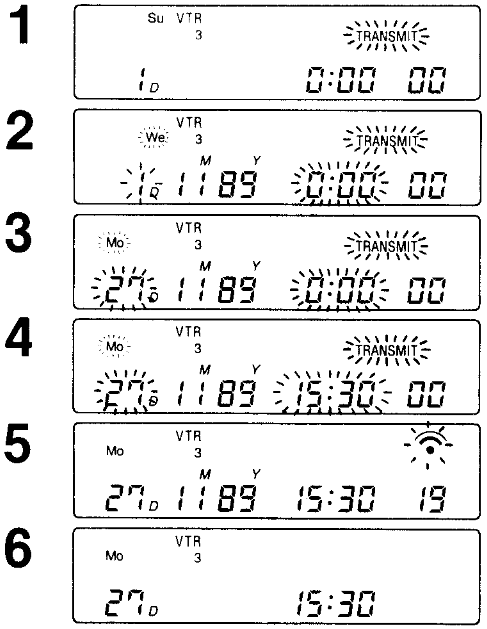
Set different command modes for this VTR (VTR 3, for instance) and the other VTR (VTR 1). Select VTR 1 on the Commander to control the other VTR and VTR 3 to control this VTR.

■Controlling equipment without a command mode selector

Change the setting on the Commander as follows to control each type of VTR.

VTR 1: Sony Betamax infrared remote control VTRs
VTR 2: Sony 8 mm format VTRs
VTR 3: This VTR




1
Su VTR 3
TRANSMIT
1 D
0:00 00
2
We VTR 3
TRANSMIT
M Y
1 D 11 89
0:00 00
3
Mo VTR 3
TRANSMIT
M Y
27 D 11 89
0:00 00
4
Mo VTR 3
TRANSMIT
M Y
27 D 11 89
15:30 00
5
Mo VTR 3
M Y
27 D 11 89
15:30 19
6
Mo VTR 3
27 D
15:30

Before You Begin

The time and date between the years 1989 and 2004 can be set with the Commander.

Operation

Example: To set to 15:30, Monday, November 27, 1989.

1 **Open the cover and press CLOCK SET.**

2 **Keep pressing the D (date) button until 11 M 89 Y is displayed.**
The date will be incremented slowly up to 30 days ahead and then the month will be incremented.

3 **Press the + side or – side of the D (date) button until 27 D is displayed.**
The day of the week appears automatically.

4 **Press the H (hour) and M (minute) buttons under TURN OFF to set the current time.**

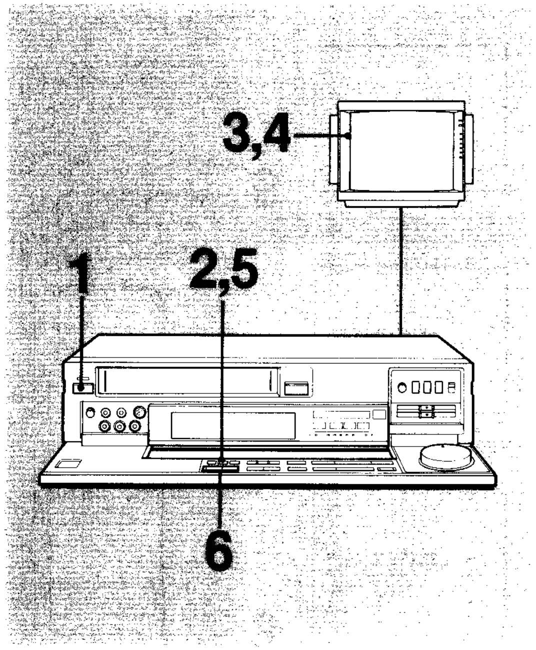
5 **Point the Commander at the VTR and press TRANSMIT.**
A beep sound confirms that the date and clock setting is registered in the VTR as well.

6 **Check the display window on the unit and close the cover.**

When 0:00 is blinking on the unit
Any time power is interrupted for more than three hours, you will see 0:00 blinking when power is restored. You will have to re-set the date and clock again.

When a short beep sounds repeatedly
The VTR is in the timer recording or quick timer recording mode or standby mode for timer recording and the setting cannot be transmitted.

Adjusting the TV



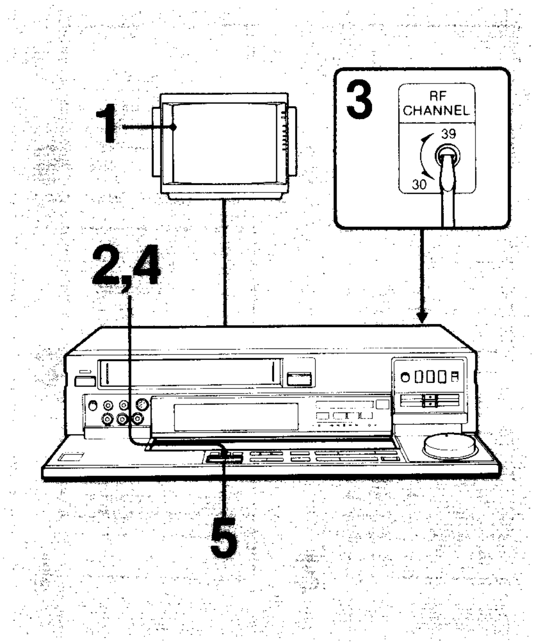
Before You Begin

If you have connected your VTR and TV using only the aerial sockets, one of the television programme positions must be adjusted to receive the VTR's playback signal. If TV-VTR connection is made by other means, skip this step.

Operation

1. **Make connections referring to "Connections" and press ON/STANDBY.**
2. **Press INPUT SELECT to light LINE L2 in the display window.**
   Do not connect any equipment to the LINE IN 2 VIDEO jack.
3. **Turn on the TV and select a programme position that is not used to receive a TV station.**
4. **Tune the TV so that a blue screen with tape counter and tape speed indication is clearly displayed on the TV screen.**
5. **Press INPUT SELECT to light TUNER in the display window.**
6. **Press PROGRAM +/– on the VTR and check that the screen changes to a different programme.**

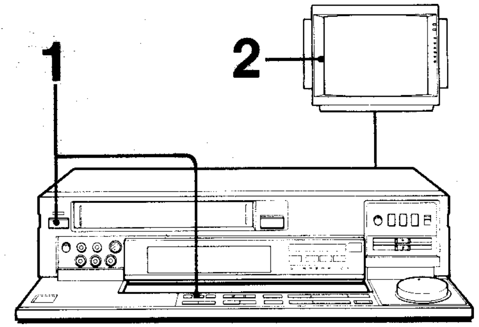
Now your TV is tuned to receive the VTR's playback picture. Whenever playing back a tape, select the programme position you chose in step 3.
If you are not sure how to tune your TV, refer to the TV's instruction manual or consult your dealer.

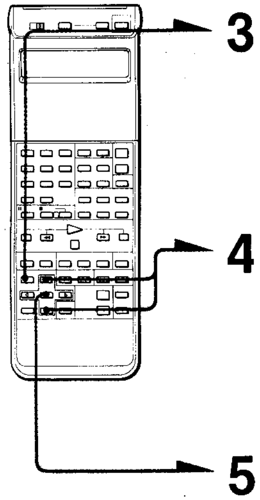


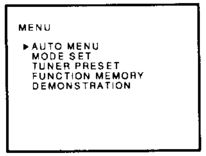
When the Playback Picture is not Free of Disturbance

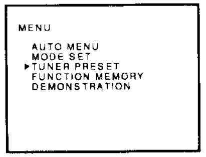
1. **Select a programme position on the TV between UHF channels 30 and 39, so that the TV shows no picture and a steady rustling sound or no sound is heard.**
2. **Press INPUT SELECT to light LINE L2 in the display window.**
   Do not connect any equipment to the LINE IN 2 VIDEO jack.
3. **Turn the RF CHANNEL screw with the supplied screwdriver so that a blue screen with tape counter and tape speed indication is clearly displayed on the TV screen.**
4. **Press INPUT SELECT to light TUNER in the display window.**
5. **Press PROGRAM +/– on the VTR and check that the screen changes to a different programme.**

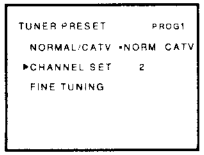
Presetting the Active Channels






MENU
▶AUTO MENU
MODE SET
TUNER PRESET
FUNCTION MEMORY
DEMONSTRATION


MENU
AUTO MENU
MODE SET
▶TUNER PRESET
FUNCTION MEMORY
DEMONSTRATION


TUNER PRESET PROG1
NORMAL/CATV •NORM CATV
▶CHANNEL SET 2
FINE TUNING

Before You Begin

- This VTR is capable of receiving VHF channels E2 — E12, UHF channels E21 — E69, and cable TV channels S1 — S41 and S01 — S05.
- The receivable channels are governed by the TV broadcasting system in your area.
- Up to 60 channels can be allocated to any desired programme position.
- The TUNER PRESET menu will not be displayed unless VTR-TV connection is made via the aerial sockets or EURO-AV.

To Call Up the TUNER PRESET Menu

1 **Turn on the VTR and press INPUT SELECT to light the TUNER indicator and the programme position number in the display window.**

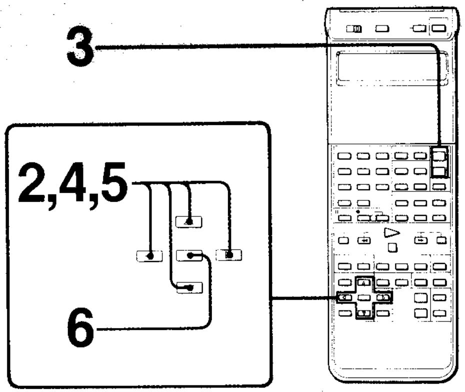
2 **Turn on the TV.**
Set to the programme position for the VTR if VTR-TV connection is made via the aerial sockets. Select VTR input if VTR-TV connection is made via EURO-AV.

3 **Press MENU with the VTR in the stop mode.**
The main MENU appears.

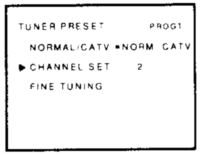
4 **Move cursor with ▲ or ▼ to TUNER PRESET.**

5 **Press EXECUTE.**
The TUNER PRESET menu appears.

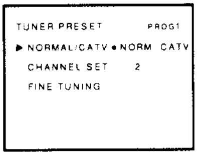
Note for the users of SLV-757UB
The TUNER PRESET menu of the SLV-757UB does not have the NORMAL/CATV selection as illustrated.



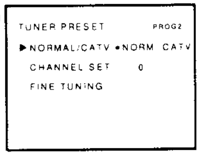
1


TUNER PRESET PROG1
NORMAL/CATV •NORM CATV
▶CHANNEL SET 2
FINE TUNING

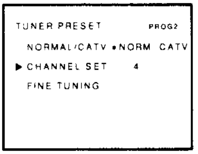
2


TUNER PRESET PROG1
▶NORMAL/CATV •NORM CATV
CHANNEL SET 2
FINE TUNING

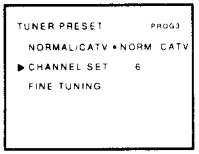
3


TUNER PRESET PROG2
▶NORMAL/CATV •NORM CATV
CHANNEL SET 0
FINE TUNING

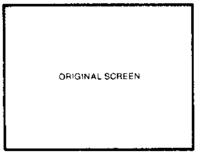
4


TUNER PRESET PROG2
NORMAL/CATV •NORM CATV
▶CHANNEL SET 4
FINE TUNING

5


TUNER PRESET PROG3
NORMAL/CATV •NORM CATV
▶CHANNEL SET 6
FINE TUNING

6


ORIGINAL SCREEN

Tuning a Desired Channel

1 **Call up the TUNER PRESET menu.**

2 **Move cursor by ▲ to NORMAL/CATV and select NORM with ◀ or ▶.**
(For SLV-757UB, skip this step.)
To tune in CATV channels first, select CATV.

3 **Select the desired programme position by pressing PROG +/– on the Commander or PROGRAM +/- on the unit.**

4 **Move cursor to CHANNEL SET with ▲ or ▼ and press ◀ or ▶.**
The channel number automatically increases with ▶ and decreases with ◀. The number stops changing when the first channel received in your area is detected.

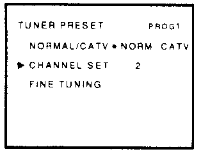
5 **To allocate a channel to the next programme position, repeat steps 2 to 4.**

6 **Press EXECUTE to store the allocated channels and return to the original screen.**

Channel scanning on your VTR
- When ▶ is pressed in steps **4** and **5**, the channels are scanned in the following order. When ◀ is pressed the scanning order is reversed.
  VHF (E2—E12) → UHF (E21—E69) → CATV (S1—S20) → HYPER BAND (S21—S41) → CATV (S01—S05)
- The SLV-757UB only scans UHF channels B21 to B68.
- In Italy, channels 13 to 20 correspond to channels A to H.

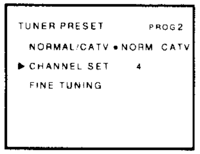
Presetting the Active Channels

1



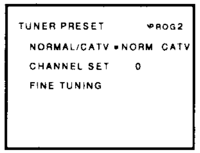
```
TUNER PRESET          PROG1
 NORMAL/CATV •NORM CATV
▶CHANNEL SET   2
 FINE TUNING
```

2



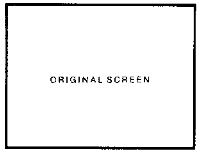
```
TUNER PRESET          PROG2
 NORMAL/CATV •NORM CATV
▶CHANNEL SET   4
 FINE TUNING
```

3



```
TUNER PRESET         ▶PROG2
 NORMAL/CATV •NORM CATV
 CHANNEL SET   0
 FINE TUNING
```

5



```
ORIGINAL SCREEN
```

Erasing Unwanted Programme Positions

The VTR can be preset so that only the desired programme positions will appear when you press PROG +/− or PROGRAM +/−.

1 **Call up the TUNER PRESET menu.**

2 **Press PROG +/− on the Commander or PROGRAM +/− on the unit to call up the unused programme position.**

3 **Press 0 twice or keep pressing ▲ or ▼ until 0 is displayed.**

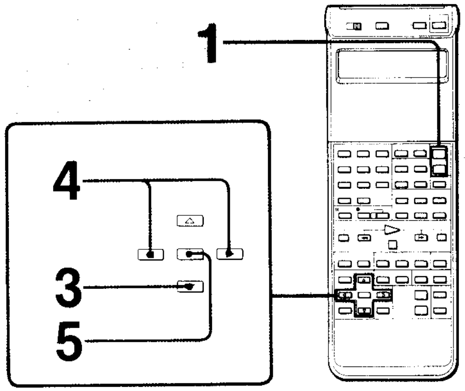
4 **Repeat steps 2 and 3 to erase other programme positions.**

5 **Press EXECUTE.**

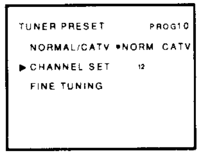
■ **To enter the erased programme positions again**
Follow the operations in "Tuning a Desired Channel."

To Allocate the Channels Directly

After step **3** in "Tuning a Desired Channel," move cursor to CHANNEL SET. Enter the desired programme numbers using the programme position number buttons. To enter one's digits, press 0 and then the desired number. To enter two digit numbers, press the ten's digit number and then the one's digit number.

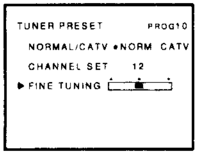


2



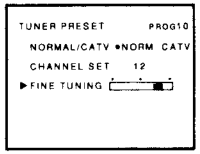
```
TUNER PRESET         PROG10
 NORMAL/CATV •NORM CATV
▶CHANNEL SET   12
 FINE TUNING
```

3



```
TUNER PRESET         PROG10
 NORMAL/CATV •NORM CATV
 CHANNEL SET   12
▶FINE TUNING
```

4



```
TUNER PRESET         PROG10
 NORMAL/CATV •NORM CATV
 CHANNEL SET   12
▶FINE TUNING
```

5

```
ORIGINAL SCREEN
```

Manually Fine-tuning a Weak Station

The unit automatically tunes the received channels. However, when the programme received on the VTR is distorted due to signal interference, fine tuning may solve the problem.

1 **Select the distorted programme position by pressing PROG +/− on the Commander or PROGRAM +/− on the unit.**

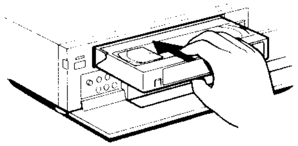
2 **Call up the TUNER PRESET menu.**

3 **Move cursor to FINE TUNING.**
The fine tuning meter appears.

4 **Press ◀ or ▶ to obtain the best picture.**

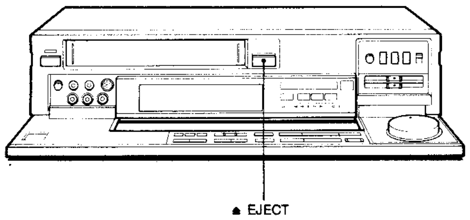
5 **Press EXECUTE to store that position and return to the original screen.**

Handling Video Cassettes



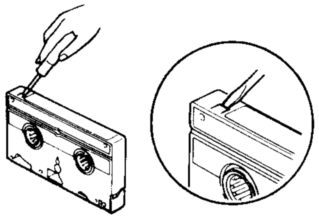
Cassette Insertion

Insert the cassette by slowly pressing its center with the arrow indication facing upwards. When a cassette is inserted, the power will be turned on automatically. If the inserted cassette has its safety tab removed, playback starts automatically.



Cassette Ejection

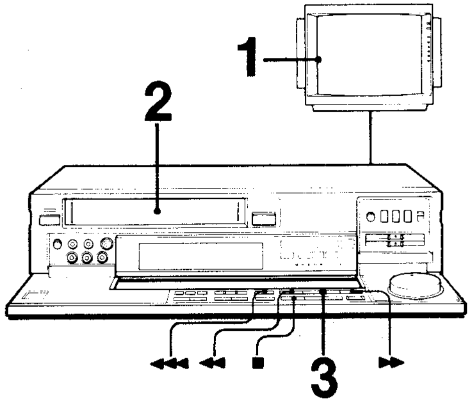
Press ⏏ EJECT on the unit. When the VTR is turned off, pressing the ⏏ EJECT button will turn on the unit, eject the cassette, and turn off the VTR again. Note that ⏏ EJECT will not function during recording.

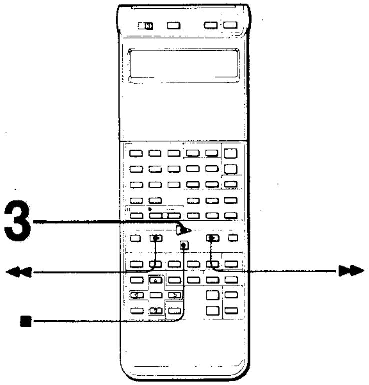


Erase Protection

When recording is made on a pre-recorded tape, the previous recording will be erased. To avoid this, remove the safety tab with a screwdriver or a similar tool. The cassette will then be ejected when recording is attempted. To record again on a cassette that has no tab, simply cover the safety tab hole with a piece of plastic tape.

Playback

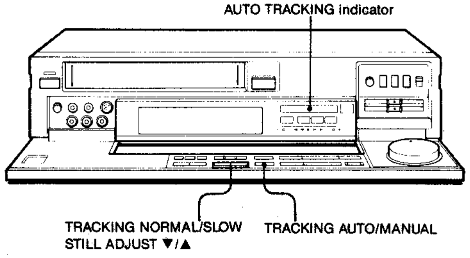


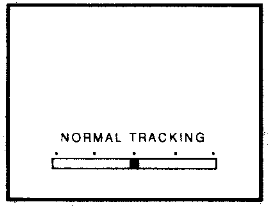


Playing a Tape

1. **Turn on the TV and select the programme position for the VTR.** If VTR-TV connection is made via EURO-AV or VIDEO/AUDIO LINE OUT, select the input for the VTR.
2. **Insert a cassette.** The VTR will be turned on. If your cassette has its safety tab removed, playback starts automatically.
3. **Press ▷.** Playback starts. The VTR automatically rewinds the tape when it reaches the end.

To stop playback, press ■.
To rewind the tape, press ◀◀.
To rewind the tape at a higher speed, press ◀◀◀.
To advance the tape rapidly, press ▶▶.





Picture Adjustments

■ Auto tracking function

The tracking condition is automatically adjusted on this VTR. The AUTO TRACKING indicator blinks while the VTR is searching for the best tracking condition and lights when maximum playback picture is obtained. The automatic tracking control is activated in the following conditions:

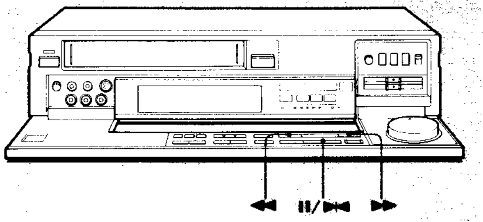
- when the cassette is inserted and played back.
- when the recording tape speed on the playback tape is switched between SP and LP.
- when the picture is distorted by scratches, etc. on the tape.
- when the AUTO TRACKING indicator is turned on by pressing TRACKING AUTO/MANUAL after the picture is adjusted manually. (See below.)

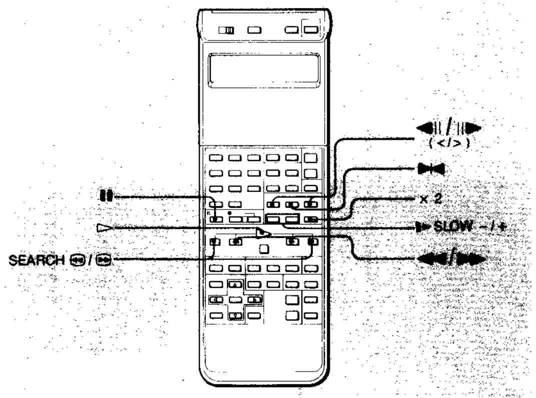
■ Manual adjustment during normal playback

If streaks or snow appear, adjust the picture using TRACKING NORMAL/SLOW and STILL ADJUST ▼/▲.

Press either ▼ or ▲ to obtain the best possible picture.

Notes on auto tracking
- When the manual adjustment proves unsatisfactory, press both of the TRACKING NORMAL SLOW and STILL ADJUST ▼/▲. The tracking condition will return to the center position.
- Tracking adjustment may not be possible when the recording condition of the tape is very poor.





Various Playback Modes

■ Playback pause/still

Press II/▶◀ on the unit, II, or ▶◀ during playback. Press ▷ to resume normal playback.

■ Frame-by-frame playback

Press ◀II or II▶ in playback still mode. II▶ will advance and ◀II will reverse the picture one frame. Press ▷ to resume normal playback.

■ Variable speed playback

Press **I▶ SLOW +/−** for slow playback between 1/5 to 1/30 times normal speed.
Press + or − to change the playback speed.
Press × **2** for double speed playback.
The speed setting can be made from any playback mode. Press ▷ to resume normal playback.

■ Reverse playback

During normal, slow or ×2 playback, press ◀II (<) to reverse the picture. Press II▶ (>) or ▷ to resume forward playback.

■ Picture search

Press ◀◀ or ▶▶ during playback. The picture will be scanned in reverse with ◀◀ and forward with ▶▶ as long as they are pressed. Release the button to return to the previous playback mode.

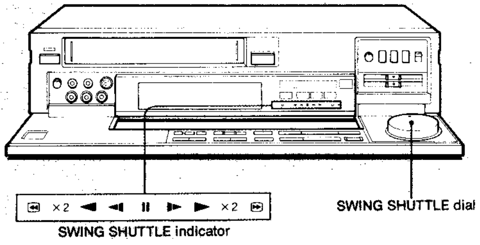
■ Locked picture search

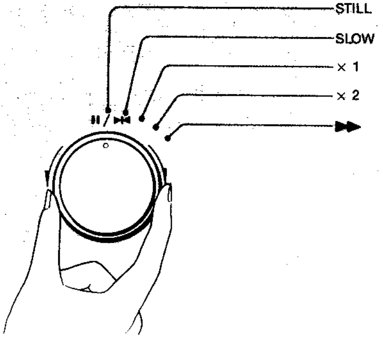
Press ⊲⊲ or ⊳⊳ SEARCH during playback.
The picture will keep on scanning in reverse with ⊲⊲ and in forward with ⊳⊳ even after the button is released. To resume normal playback, press ▷.

■ Viewing the picture during fast-forward or rewind

Press ▶▶ during fast-forward, or ◀◀ during rewind mode. The picture can be seen while the button is pressed. Release the button to return to the previous mode.

Note on picture quality
The picture may turn to a monochrome picture in still, slow or ×2 mode or during picture search when playing back tapes recorded in LP mode depending upon the condition of the connected TV.





■SWING SHUTTLE dial

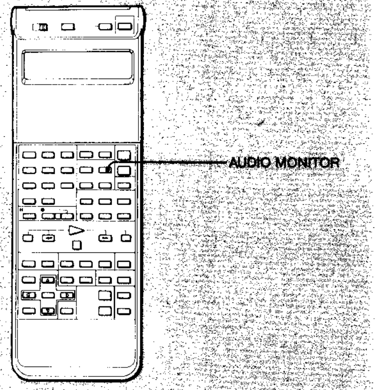
Various playback modes as illustrated can be selected with the SWING SHUTTLE dial from any playback mode. The same speed is available in the reverse direction. The SWING SHUTTLE indicator on the unit shows the selected speed. Releasing the SWING SHUTTLE dial makes a still picture. To resume normal playback, press ▷.

To eliminate streaks or noise bands during slow motion play
Adjust the picture with TRACKING NORMAL/SLOW and STILL ADJUST ▼/▲ inside the front panel. The picture can be adjusted easily in faster speed playback.

To eliminate the bands on the top or bottom of the screen in still mode
Change to the slow motion play mode and adjust the picture with TRACKING NORMAL/SLOW and STILL ADJUST ▼/▲.

To eliminate picture shaking during still mode
Adjust the picture with TRACKING NORMAL/SLOW and STILL ADJUST ▼/▲.

Note
The streaks or noise bands cannot be eliminated completely during reverse playback, reverse slow or reverse ×2 playback, when the tape recorded in LP mode is played back.

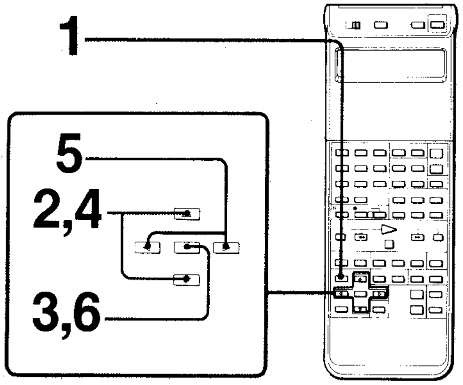


[illegible]

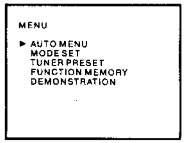
Press AUDIO MONITOR to select the sound to be heard.
With each pression, stereo (left and right channel sounds), left-channel sound, right-channel sound or the sound on the normal audio track is selected cyclically in order. The selected sound is indicated in the display window of the VTR.

Display	Sound to be heard	
	Stereo tape	Bilingual tape
STEREO	Stereo	Left and right channels
MAIN/L	Left channel	Left channel
SUB/R	Right channel	Right channel
None	Monoaural (on normal audio track)	Sound on normal audio track

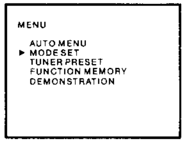
Notes on the AUDIO MONITOR button
- •AUDIO MONITOR has no effect with a monaural tape.
- •AUDIO MONITOR does not operate when AUDIO MIX ON is selected in the MODE SET menu (see page 30).



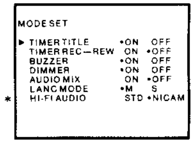
1


MENU
▶ AUTO MENU
MODE SET
TUNER PRESET
FUNCTION MEMORY
DEMONSTRATION

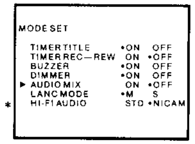
2


MENU
AUTO MENU
▶ MODE SET
TUNER PRESET
FUNCTION MEMORY
DEMONSTRATION

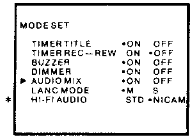
3


MODE SET
▶ TIMER TITLE •ON OFF
TIMER REC—REW ON •OFF
BUZZER •ON OFF
DIMMER •ON OFF
AUDIO MIX ON •OFF
LANC MODE •M S
* HI-FI AUDIO STD •NICAM

4


MODE SET
TIMER TITLE •ON OFF
TIMER REC—REW ON •OFF
BUZZER •ON OFF
DIMMER •ON OFF
▶ AUDIO MIX ON •OFF
LANC MODE •M S
* HI-FI AUDIO STD •NICAM

5


MODE SET
TIMER TITLE •ON OFF
TIMER REC—REW ON •OFF
BUZZER •ON OFF
DIMMER •ON OFF
▶ AUDIO MIX •ON OFF
LANC MODE •M S
* HI-FI AUDIO STD •NICAM

6

ORIGINAL SCREEN

* HI-FI AUDIO for SLV-757UB/757NC only.

To listen to the sounds on the hi-fi video track and normal audio track mixed

It is possible to output the sounds recorded on the hi-fi video track and the normal audio track simultaneously. This function is useful when you listen to an audio-inserted tape.

1 **Press MENU in the stop mode.**
The main MENU appears.

2 **Move cursor with ▲ or ▼ to MODE SET.**

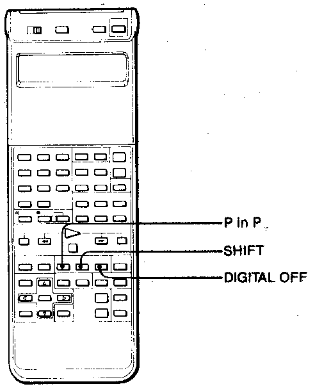
3 **Press EXECUTE.**
The MODE SET menu appears.

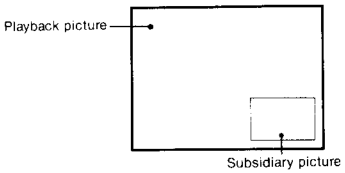
4 **Move cursor with ▲ or ▼ to AUDIO MIX.**

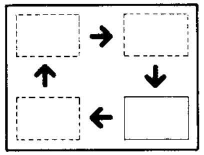
5 **Select ON or OFF by ◀ or ▶.**
ON: to make AUDIO MONITOR inoperative so that the sounds of the hi-fi video and normal audio tracks are always output.
OFF: to make the AUDIO MONITOR button operative so that you can select the sound to be heard.

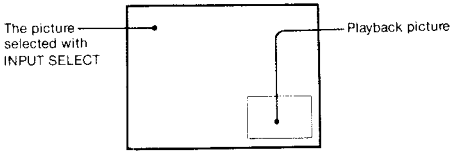
6 **Press EXECUTE to store the setting and return to the original screen.**

Note
Reset the AUDIO MIX ON setting to OFF after listening to the particular tape.


P in P
SHIFT
DIGITAL OFF


Playback picture
Subsidiary picture




The picture selected with INPUT SELECT
Playback picture

Inserting a Small Picture into the Playback Picture

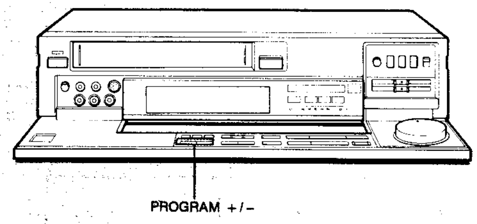
Press P in P during playback.
The subsidiary picture selected with INPUT SELECT will appear on the TV screen.
•If TUNER mode is selected with INPUT SELECT, you can watch the TV picture on the subsidiary screen.

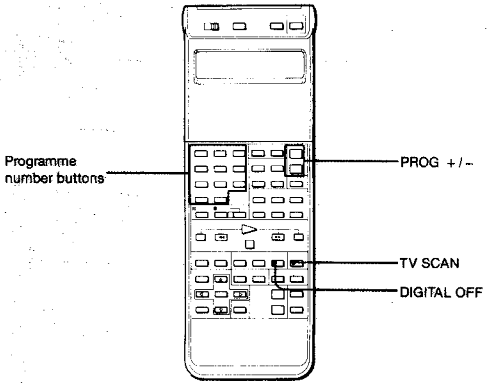
■Changing the position of the subsidiary picture
Press SHIFT repeatedly until the desired position is reached.

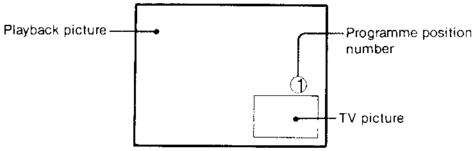
■Inverting the subsidiary picture and the main picture
Press P in P again.

■Turning off the subsidiary picture
Press DIGITAL OFF.

Note
If no recorded portion is played back at a speed except the normal one, the subsidiary picture will not be displayed.




Programme number buttons
PROG +/–
TV SCAN
DIGITAL OFF


Playback picture
Programme position number
①
TV picture

Watching TV Programmes in Succession — TV SCAN

You can watch each TV programme for a few seconds in the order of programme position numbers.

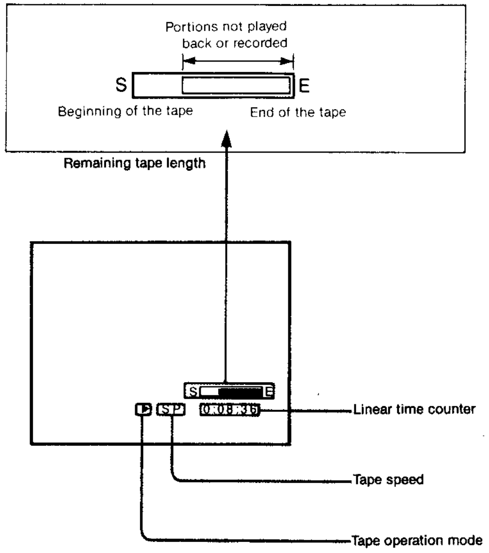
Press TV SCAN during playback.
After all the preset programmes are displayed, the first programme will appear again.

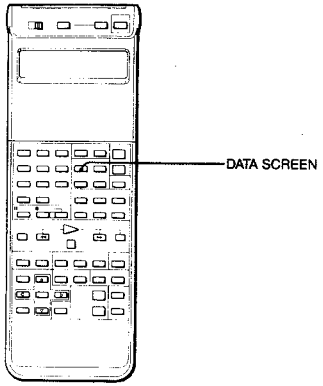
■ Viewing the desired programme continuously

Press the programme position number buttons or PROG +/– on the commander or PROGRAM on the unit.

■ Turning off the subsidiary picture

Press DIGITAL OFF.


Portions not played back or recorded
S
E
Beginning of the tape
End of the tape
Remaining tape length
S
E
0:08:36
SP
Linear time counter
Tape speed
Tape operation mode


DATA SCREEN

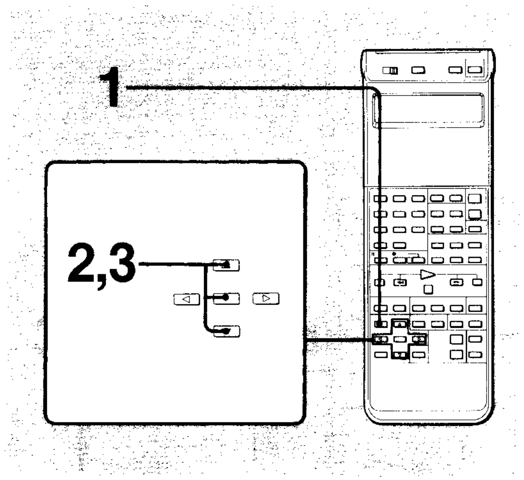
Data Screen

Data screen information illustrated on the left will automatically appear on the screen during playback or recording as a reference. Note, however, that the data screen will not be displayed in the following cases.
- When VTR-TV connection is made via the VIDEO LINE OUT jack.
- When the VTR is in slow motion or playback pause mode.

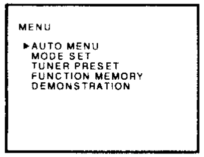
■ To erase or display the data screen

Press DATA SCREEN.

Notes on the remaining tape length indicator
- The remaining tape length indicator only shows the approximate amount of tape left.
- The indication may shift vertically during the fast-forward or rewind mode.
- It may not operate properly when a short tape, such as the E-30 and VHS-C cassettes, or when a non-standardized tape is inserted.



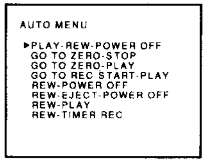
1



```
MENU

▶AUTO MENU
 MODE SET
 TUNER PRESET
 FUNCTION MEMORY
 DEMONSTRATION
```

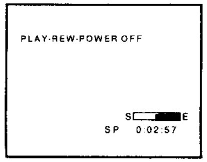
2



```
AUTO MENU

▶PLAY-REW-POWER OFF
 GO TO ZERO-STOP
 GO TO ZERO-PLAY
 GO TO REC START-PLAY
 REW-POWER OFF
 REW-EJECT-POWER OFF
 REW-PLAY
 REW-TIMER REC
```

3



```
PLAY-REW-POWER OFF



                 S▭▭▬E
              SP   0:02:57
```

Assigning a Desired Operation Mode

Guided by the AUTO MENU, you can make the VTR enter the desired operational sequence automatically.

1 **Press MENU while the VTR is in the stop mode.**
The main MENU appears.

2 **Move cursor with ▲ or ▼ to AUTO MENU and press EXECUTE.**
The AUTO MENU appears.

3 **Move cursor with ▲ or ▼ to the desired operational sequence and press EXECUTE.**
The selected operation will begin. The selected operating mode will be superimposed on the TV screen for a few seconds. The AUTO indicator will light in the display window during AUTO MENU operation.

Notes on AUTO MENU operation
AUTO MENU cannot be operated if there is no cassette installed or if the VTR is in modes other than stop mode. A short beep alerts you if the AUTO MENU is not operable.

Note on "GO TO REC START — PLAY"
The recording start point data will be erased from the memory after the following operations and "GO TO REC START → PLAY" will not be operable.
- When COUNTER RESET is pressed.
- When cassette is ejected and re-inserted.
- When HIGH SPEED REWIND is pressed.

Auto Menu Modes

■**PLAY — REW — POWER OFF** plays back the tape, rewinds the tape when the end is reached, and turns the power off.

■**GO TO ZERO — STOP** searches for the counter zero point and stops. See page 46.

■**GO TO ZERO — PLAY** searches for the counter zero point and starts playback. See page 46.

■**GO TO REC START — PLAY** searches for the recording start point and starts playback.

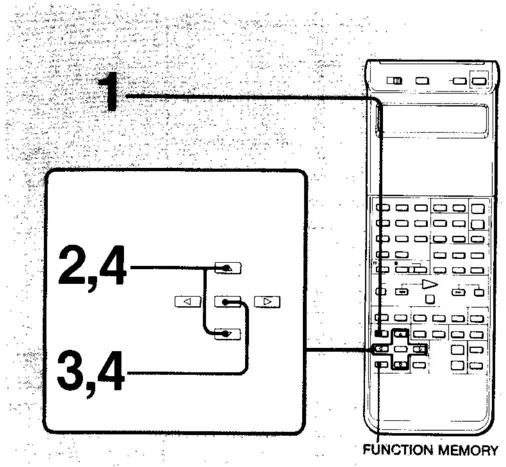
■**REW — POWER OFF** rewinds the tape to the beginning and turns the power off.

■**REW — EJECT — POWER OFF** rewinds the tape to the beginning, ejects the cassette, and turns off the power.

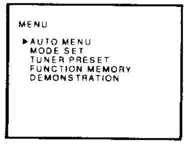
■**REW — PLAY** rewinds the tape to the beginning and starts playback.

■**REW — TIMER REC** rewinds the tape to the beginning and enters the timer recording stand-by mode for timer recording when a timer recording is preset. A cassette with its safety tab removed will be ejected.
When the VTR is in the timer recording standby mode, 1) press TIMER REC ON/OFF to cancel the standby mode, 2) turn on the power to the unit, 3) call up the AUTO MENU referring to page 34.

Playback



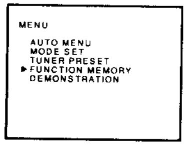
1



```
MENU

▶AUTO MENU
 MODE SET
 TUNER PRESET
 FUNCTION MEMORY
 DEMONSTRATION
```

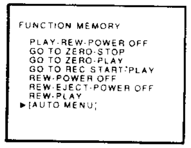
2



```
MENU

 AUTO MENU
 MODE SET
 TUNER PRESET
▶FUNCTION MEMORY
 DEMONSTRATION
```

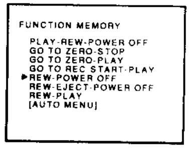
3



```
FUNCTION MEMORY

 PLAY-REW-POWER OFF
 GO TO ZERO-STOP
 GO TO ZERO-PLAY
 GO TO REC START-PLAY
 REW-POWER OFF
 REW-EJECT-POWER OFF
 REW-PLAY
▶[AUTO MENU]
```

4



```
FUNCTION MEMORY

 PLAY-REW-POWER OFF
 GO TO ZERO-STOP
 GO TO ZERO-PLAY
 GO TO REC START-PLAY
▶REW-POWER OFF
 REW-EJECT-POWER OFF
 REW-PLAY
 [AUTO MENU]
```

Assigning an Auto Menu Mode to the FUNCTION MEMORY Button

One of the AUTO MENU modes can be assigned to the FUNCTION MEMORY button on the Commander.

1 **Press MENU.**
The main MENU appears.

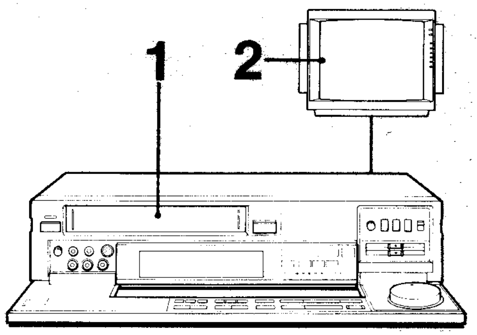
2 **Move cursor with ▲ or ▼ to FUNCTION MEMORY.**

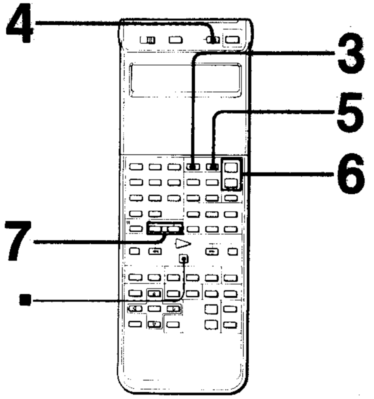
3 **Press EXECUTE.**
The FUNCTION MEMORY menu appears.

4 **Move cursor to the desired operational sequence and press EXECUTE.**
The selected operation will be activated every time FUNCTION MEMORY is pressed when the VTR is in stop mode.

If you have selected "AUTO MENU" in step **4**, the AUTO MENU will be displayed immediately after FUNCTION MEMORY is pressed, providing a short cut to the AUTO MENU.

Recording TV Programmes





Before You Begin

- Check that all of the preparations are complete.
- The buttons on the VTR with the same name or mark can be used in the operation below as well.
- Data screen displays will not be recorded on the tape.

Operation

1 **Insert a cassette.**

2 **Turn on the TV.**
Set to the programme position for the VTR playback if VTR-TV connection is made only via the aerial sockets.
Select VTR input if VTR-TV connection is via the EURO-AV connector or VIDEO/AUDIO LINE jacks.

3 **Press INPUT SELECT so that the TUNER indicator appears in the display window.**

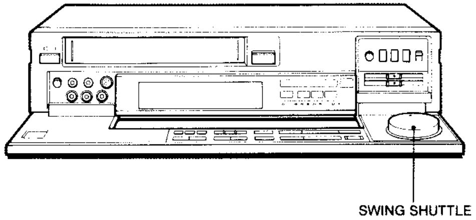
4 **Press TV/VTR so that the VTR indicator lights in the display window.**
(Only when connection is made via EURO-AV.)

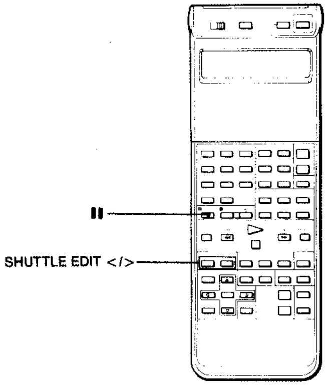
5 **Select the recording speed, SP or LP.**

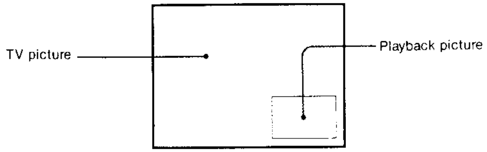
6 **Select the programme position to be recorded with PROG +/–.**

7 **Press the right button while pressing ● REC.**
Recording will begin. When the tape reaches the end, it will be automatically rewound to the beginning. Pressing the ● REC button on the unit also activates the recording.

To stop recording, press ■.







To Stop Recording Momentarily at an Unwanted Scene

1 **Press II when an unwanted scene appears.**
Recording is stopped and the VTR enters the recording pause mode.

2 **Press II again to resume recording at the desired scene.**

To Cut Out an Unwanted Scene by Recording Over it

1 **Press II during recording to enter the recording pause mode.**

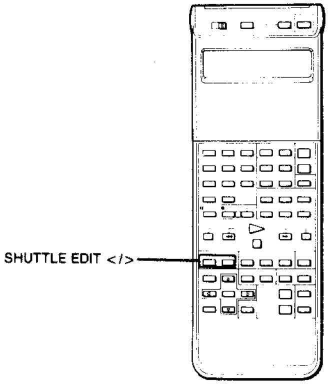
2 **Locate the point where you wish to continue recording using SWING SHUTTLE or SHUTTLE EDIT.**
The unit will enter the P in P mode and the playback picture will be displayed on the subsidiary screen. (For details on the operation, see below.)

3 **At the desired point, release SWING SHUTTLE or SHUTTLE EDIT.**

4 **Press II to resume recording.**

■ How to use the SWING SHUTTLE dial

Turn the dial during playback or in the recording pause mode.
The playback speed and the direction can be selected according to the turning angle and direction.
Release the dial to enter the playback pause mode or resume the recording pause mode.
- If the dial is turned in the recording pause mode, the unit enters the P in P mode and the playback picture appears on the subsidiary screen.

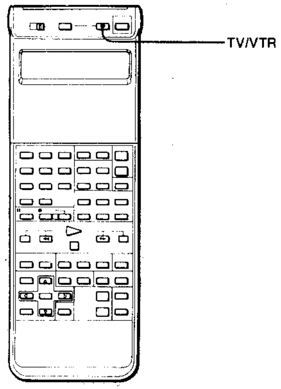


■ How to use the SHUTTLE EDIT buttons on the Commander

Use the buttons in the **playback pause mode** or in the **recording pause mode**.
Keep < pressed to obtain 1/5 playback picture in reverse, and keep > pressed to obtain 1/5 playback picture.
Release the button to resume the playback pause or recording pause mode.
- If the button is pressed in the recording pause mode, the unit enters the P in P mode and the playback picture appears on the subsidiary screen.

To record over from playback mode
1) Locate the point from where you wish re-record using SWING SHUTTLE or SHUTTLE EDIT and release the dial or button.
2) Press ● REC and its right button to enter the recording pause mode.
3) Press II to start recording.

Recording TV Programmes



Watching a TV Broadcast While Recording Another

■ If VTR-TV connection is made using the EURO-AV connector

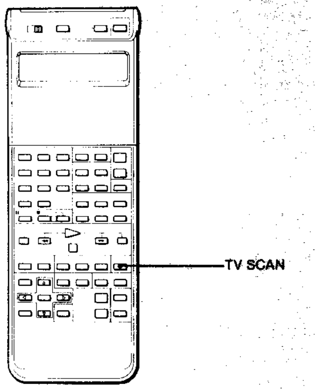
Press TV/VTR to turn off the VTR indicator.
The programme selected on the TV appears on the screen.

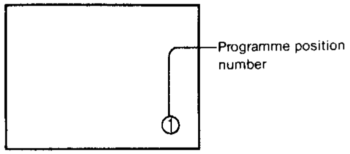
■ If VTR-TV connection is made using the VIDEO/AUDIO LINE jacks

Select the tuner input on the TV and change the programme position on the TV.

■ If VTR-TV connection is made using only the aerial sockets

Change the programme position on the TV.

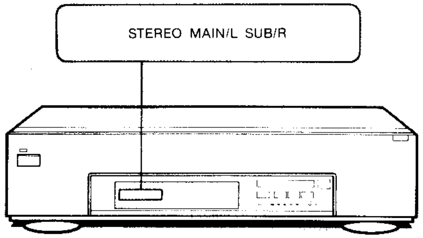


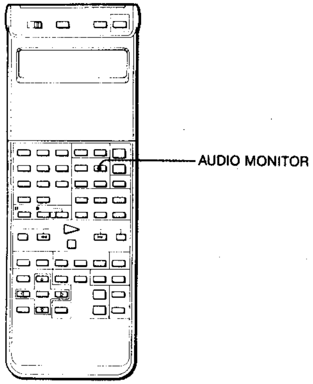


[illegible]

When you are watching a TV programme, press TV SCAN.
Each preset programme will be displayed for a few seconds in the order of programme position numbers. When all the programmes are displayed, the normal display will resume.

Recording Stereo/Bilingual Programmes





SLV-757/757VP/757NC

The SLV-757/757VP/757NC receives and record stereo/bilingual programmes based on the "Zweiton" system adopted in West Germany.

■ Stereo programme

When a stereo programme is received, STEREO appears in the display window. The AUDIO MONITOR button does not function for the stereo programmes of the Zweiton system.

■ Bilingual programme

When a bilingual programme is received, MAIN/L appears in the display window.

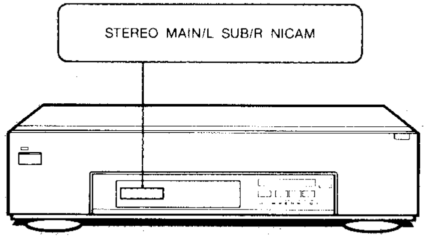
Press the AUDIO MONITOR button repeatedly until the desired sound is heard. The sound is selected cyclically in the order as follows:

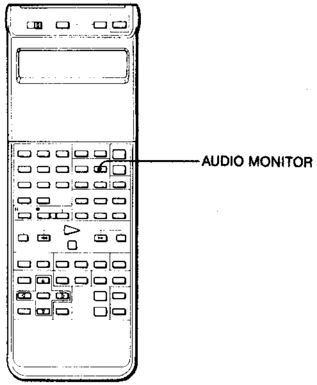
Display	Sound to be heard
MAIN/L	Main sound
SUB/R	Sub sound
MAIN/L SUB/R	Main sound on the left channel Sub sound on the right channel

■ To record

A stereo or bilingual programme will be recorded on the hi-fi video track and normal audio track as follows regardless of the sound being monitored.

Track	Sound to be recorded	
	Stereo	Bilingual
Hi-fi video Left channel	Left channel	Main
Right channel	Right channel	Sub
Normal audio	Monaural (L and R channels mixed)	Main





SLV-757UB/757NC

The SLV-757UB/757NC receives and records stereo/bilingual programmes based on the "NICAM" system adopted in the United Kingdom and Nordic countries.

■ Stereo programme

When a stereo programme is received, STEREO and NICAM appear in the display window.

Press the AUDIO MONITOR button to select the sound to be heard. Each time AUDIO MONITOR is pressed, the stereo (NICAM L and R channels) or the standard sound is selected alternately.

Display	Sound to be heard
STEREO	Left channel sound on the left channel Right channel sound on the right channel
None	Standard sound

■ Bilingual programme

When a bilingual programme is received, NICAM and MAIN/L appear in the display window.

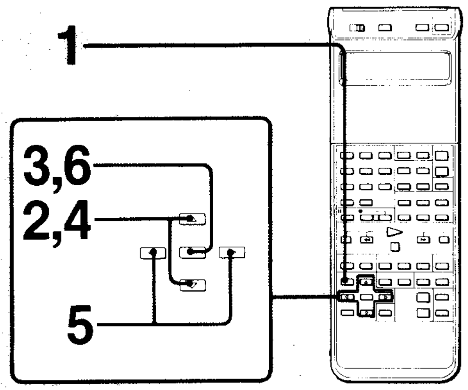
Press the AUDIO MONITOR button repeatedly until the desired sound is heard. The sound is selected cyclically in the order as follows:

Display	Sound to be heard
MAIN/L	Main sound
SUB/R	Sub sound
MAIN/L SUB/R	Main sound on the left channel Sub sound on the right channel
None	Standard sound

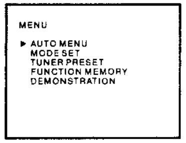
Understanding the NICAM broadcast

NICAM broadcasting has two-channel digital sounds called NICAM L and R channels in addition to the standard sound. The NICAM L and R are assigned to the stereo left and right channels or the main and sub sounds of a bilingual programme. The standard sound of most NICAM broadcasts is the mixed sound of the left and right channels for a stereo programme, and the main sound for a bilingual programme.

Recording Stereo/Bilingual Programmes



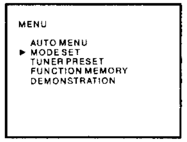
1



```
MENU

▶ AUTO MENU
  MODE SET
  TUNER PRESET
  FUNCTION MEMORY
  DEMONSTRATION
```

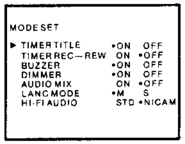
2



```
MENU

  AUTO MENU
▶ MODE SET
  TUNER PRESET
  FUNCTION MEMORY
  DEMONSTRATION
```

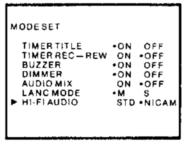
3



```
MODE SET

▶ TIMER TITLE       •ON   OFF
  TIMER REC—REW      ON  •OFF
  BUZZER            •ON   OFF
  DIMMER            •ON   OFF
  AUDIO MIX          ON  •OFF
  LANC MODE         •M    S
  HI-FI AUDIO        STD •NICAM
```

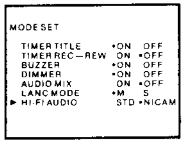
4



```
MODE SET

  TIMER TITLE       •ON   OFF
  TIMER REC—REW      ON  •OFF
  BUZZER            •ON   OFF
  DIMMER            •ON   OFF
  AUDIO MIX          ON  •OFF
  LANC MODE         •M    S
▶ HI-FI AUDIO        STD •NICAM
```

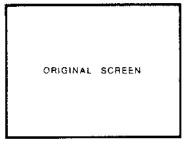
5



```
MODE SET

  TIMER TITLE       •ON   OFF
  TIMER REC—REW      ON  •OFF
  BUZZER            •ON   OFF
  DIMMER            •ON   OFF
  AUDIO MIX          ON  •OFF
  LANC MODE         •M    S
▶ HI-FI AUDIO        STD •NICAM
```

6



```
ORIGINAL  SCREEN
```

■To record NICAM broadcasts

1 **Before recording a NICAM broadcast, press MENU.**
The main MENU appears.

2 **Move cursor with ▲ or ▼ to MODE SET.**

3 **Press EXECUTE.**
The MODE SET menu appears.

4 **Move cursor with ▲ or ▼ to HI-FI AUDIO.**

5 **Press ◀ or ▶ to move the dot to NICAM.**

6 **Press EXECUTE to store the setting.**

With NICAM setting, NICAM broadcasts will be recorded as in the following table.

Track	**Sound to be recorded**	
	Stereo	Bilingual
Hi-fi video		
Left channel	Left channel	Main
Right channel	Right channel	Sub
Normal audio	Standard	Standard

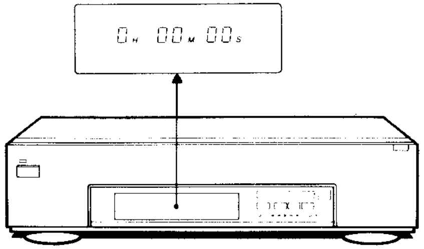
- When there is no NICAM broadcast, the standard sound will be recorded on both the hi-fi video track and the normal audio track.

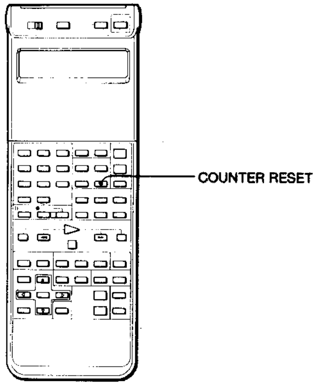
■To record the standard sound only

Follow the operations above and set HI-FI AUDIO to STD in step 5.

The standard sound will be recorded on the left and right channels of the hi-fi video track and the normal audio track.

Use of the Tape Counter

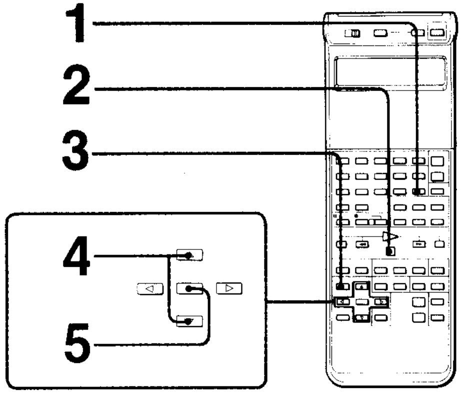




Understanding Counter Zero Position

The tape counter on this VTR can be used as a reference when you wish to locate a certain scene after recording or playback. Press COUNTER RESET to set the counter to "0H00M00S" (counter zero position) before operation. The VTR will keep counting the length of tape being played back or recorded. Note, however, that the tape counter will not count the portions of tape with no signals recorded. This VTR automatically resets the counter to zero whenever a cassette is inserted. Two additional features using COUNTER RESET are available on this VTR: Tape Return and Tape Return Play.

Use of the Tape Counter



Tape Return

The VTR can search for the counter zero position and stop. This function is useful for locating a particular scene after recording or playback.

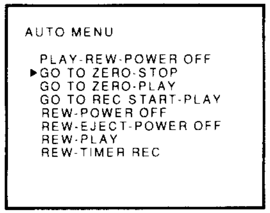
1 Press COUNTER RESET at the desired scene during recording or playback.

2 Press ■ to stop after recording or playback.

3 Press MENU and select AUTO MENU.
See "Assigning a Desired Operation Mode" for operation.

4 Move cursor to "GO TO ZERO-STOP."

5 Press EXECUTE.



```
AUTO MENU

 PLAY-REW-POWER OFF
▶GO TO ZERO-STOP
 GO TO ZERO-PLAY
 GO TO REC START-PLAY
 REW-POWER OFF
 REW-EJECT-POWER OFF
 REW-PLAY
 REW-TIMER REC
```

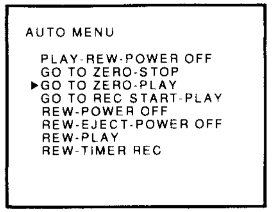
Tape Return Play

The VTR will even search and start playback from the counter zero position after recording or playback.

1 Repeat steps 1 to 3 in the Tape Return operation.

2 Move cursor to "GO TO ZERO-PLAY".

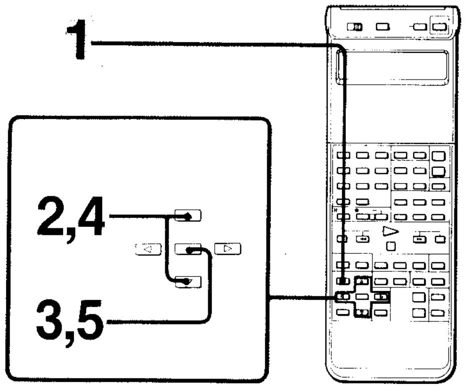
3 Press EXECUTE.



```
AUTO MENU

 PLAY-REW-POWER OFF
 GO TO ZERO-STOP
▶GO TO ZERO-PLAY
 GO TO REC START-PLAY
 REW-POWER OFF
 REW-EJECT-POWER OFF
 REW-PLAY
 REW-TIMER REC
```

Timer Activated Recording



Timer Recording on this VTR

Up to eight preselected programmes can be set on this unit, up to one month in advance.

Before You Begin

- Turn on the TV and adjust it to view the VTR output.
- Check to see that the clock on the Commander and the VTR shows the present time.
- To operate the SLV-757VP, read "VPS Function" first.

To Turn On/Off the Warning Buzzer

It is possible to turn on or off the beep sound which this VTR will give whenever an illogical operation command is sent from the Commander.

1 Press MENU in the stop mode.
The main MENU appears.

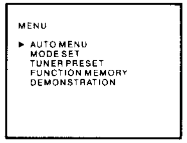
2 Move cursor with ▲ or ▼ to MODE SET.

3 Press EXECUTE.
The MODE SET menu appears.

4 Move cursor with ▲ or ▼ to BUZZER.
Select ON to activate and OFF to deactivate the buzzer by ◀ or ▶.

5 Press EXECUTE to store the setting and return to the original screen.

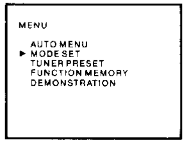
1



```
MENU

▶ AUTO MENU
  MODE SET
  TUNER PRESET
  FUNCTION MEMORY
  DEMONSTRATION
```

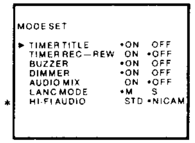
2



```
MENU

  AUTO MENU
▶ MODE SET
  TUNER PRESET
  FUNCTION MEMORY
  DEMONSTRATION
```

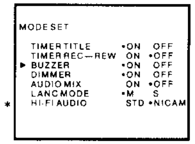
3



```
  MODE SET

  ▶ TIMER TITLE      •ON   OFF
    TIMER REC—REW     ON  •OFF
    BUZZER           •ON   OFF
    DIMMER           •ON   OFF
    AUDIO MIX         ON  •OFF
    LANC MODE        •M    S
*   HI-FI AUDIO       STD •NICAM
```

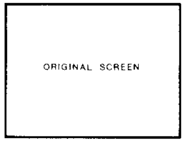
4



```
  MODE SET

    TIMER TITLE      •ON   OFF
    TIMER REC—REW     ON  •OFF
  ▶ BUZZER           •ON   OFF
    DIMMER           •ON   OFF
    AUDIO MIX         ON  •OFF
    LANC MODE        •M    S
*   HI-FI AUDIO       STD •NICAM
```

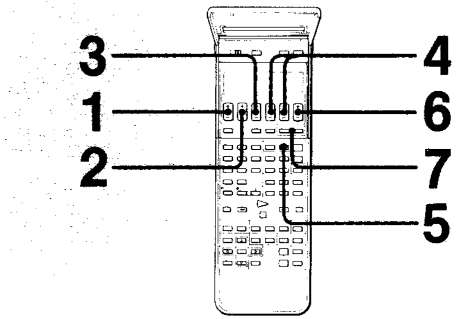
5



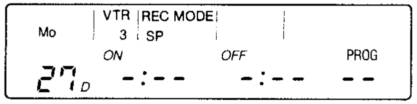
```
ORIGINAL SCREEN
```

* HI-FI AUDIO for SLV-757UB/757NC only

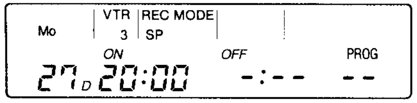
Timer Activated Recording



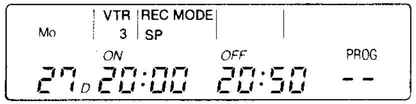
1


Mo
VTR
3
REC MODE
SP
ON
OFF
PROG
27 D
-:--
-:--
--

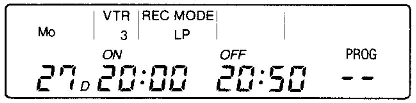
2,3


Mo
VTR
3
REC MODE
SP
ON
OFF
PROG
27 D 20:00
-:--
--

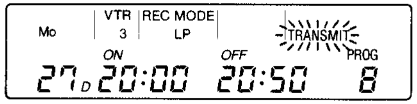
4


Mo
VTR
3
REC MODE
SP
ON
OFF
PROG
27 D 20:00
20:50
--

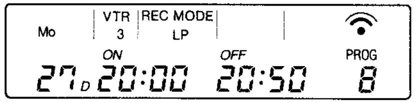
5


Mo
VTR
3
REC MODE
LP
ON
OFF
PROG
27 D 20:00
20:50
--

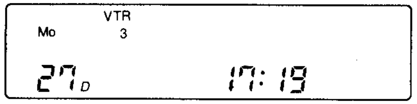
6


Mo
VTR
3
REC MODE
LP
TRANSMIT
ON
OFF
PROG
27 D 20:00
20:50
8

7


Mo
VTR
3
REC MODE
LP
ON
OFF
PROG
27 D 20:00
20:50
8

8


VTR
Mo
3
27 D
17:19

Operation

Example: To record a programme broadcast from 20:00 to 20:50 on Monday, November 27, 1989 on programme position 8.

1 **Open the cover of the Commander and press D until 27 appears.**
The day of the week, Mo (Monday), is automatically set.

2 **Set the recording start hour with TURN ON H.**

3 **Set the recording start minute with TURN ON M.**

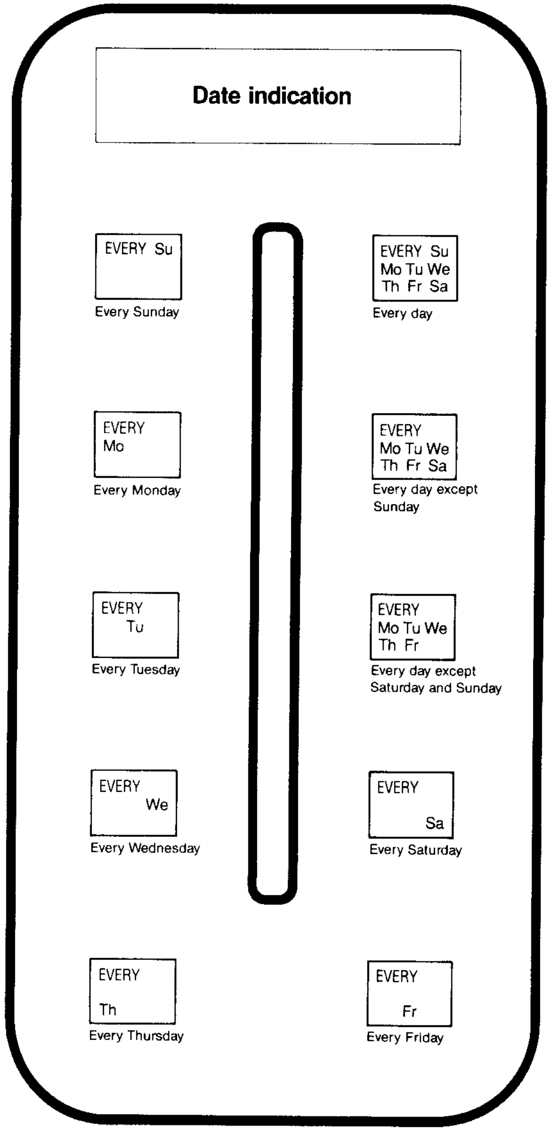
4 **Set the recording end hour and minute with TURN OFF H and M referring to step 2 and 3.**

5 **Set the recording speed, SP or LP, with REC MODE.**

6 **Set the programme position with PROG.**
The TRANSMIT indicator blinks to indicate that all of the items are entered.

7 **Point the Commander to the VTR and press TRANSMIT.**
With a beep sound, the VTR enters the timer recording standby mode. The PROGRAM LIST appears on the screen for a few seconds.

8 **Close the cover of the Commander so that the present time appears on the LCD.**
The VTR turns on, starts recording at the selected time, and turns off after recording ends.

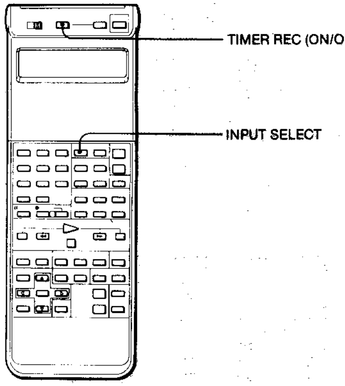

Date indication
EVERY Su
Every Sunday
EVERY Mo
Every Monday
EVERY Tu
Every Tuesday
EVERY We
Every Wednesday
EVERY Th
Every Thursday
EVERY Su Mo Tu We Th Fr Sa
Every day
EVERY Mo Tu We Th Fr Sa
Every day except Sunday
EVERY Mo Tu We Th Fr
Every day except Saturday and Sunday
EVERY Sa
Every Saturday
EVERY Fr
Every Friday

Daily/Weekly Recording

This VTR can be preset to record the same programme each day of the week (daily recording) or the same programme on a specific day of every week.

Press D – (minus) on the Commander to change the LCD in the order shown in the illustration instead of step 1 in the "Operation." When the desired recording mode is set and transmitted to the VTR, the corresponding indicator lights in the display window.

Timer Activated Recording


TIMER REC (ON/OFF)
INPUT SELECT

To Set Other Programmes

Repeat steps **1** to **7** in "Operation" before step **8**.

To Stop Timer Recording

Press TIMER REC ON/OFF.

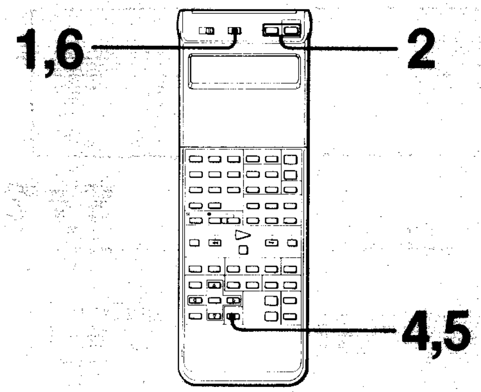
To Record from Equipment Connected to LINE IN VIDEO/AUDIO 1 or 2 Jacks

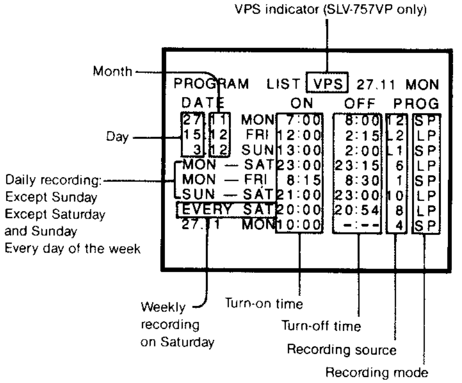
Press INPUT SELECT anytime in step **1** to **6** to change the indication from PROG – – to LINE L1 to LINE L2.

If a short beep sounds repeatedly when TRANSMIT is pressed
When BUZZER ON is selected in the MODE SET menu, the short beep indicates that the transmission is not received on the VTR. Press TRANSMIT again before closing the cover, then check the items below.
- No cassette is inserted.
- An illogical setting has been made.
- Timer setting can only be performed when the VTR is in turned off, stop, or timer recording mode.
- Eight timer settings have already been made.
- The tape is at its end.

If the tape is ejected after pressing TRANSMIT
The safety tab of the inserted cassette is removed.

Understanding "one month"
This VTR sets the timer to record programmes to be broadcast between today and one day before the same date in the next month.




VPS indicator (SLV-757VP only)
Month
Day
Daily recording:
Except Sunday
Except Saturday
and Sunday
Every day of the week
Weekly recording on Saturday
Turn-on time
Turn-off time
Recording source
Recording mode

```
PROGRAM  LIST  VPS  27.11  MON
 DATE          ON     OFF   PROG
27.11  MON    7:00   8:00  12  SP
15.12  FRI   12:00   2:15  L2  LP
 3.12  SUN   13:00   2:00  L1  SP
MON — SAT    23:00  23:15   6  LP
MON — FRI     8:15   8:30   1  SP
SUN — SAT    21:00  23:00  10  LP
EVERY SAT    20:00  20:54   8  LP
27.11  MON   10:00   -:--   4  SP
```

Checking the Timer Settings

The timer settings can be checked while the VTR is in the timer standby mode by displaying the programme list on the screen.

1 **Press TIMER REC ON/OFF to turn off the TIMER REC indicator in the display window of the VTR.**

2 **Turn on the VTR and press TV/VTR to light the VTR indicator in the display window.**
(Only when connection is made via EURO-AV.)

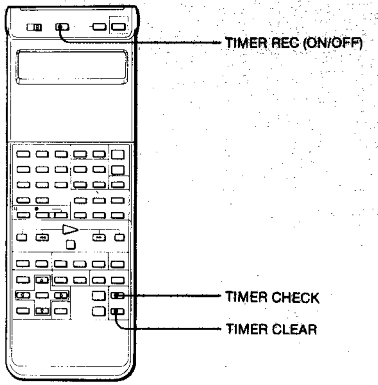
3 **Turn on the TV.**
Set to the programme position for VTR if VTR-TV connection is made via the aerial sockets. Select VTR input on the TV if VTR-TV connection is made via EURO-AV.

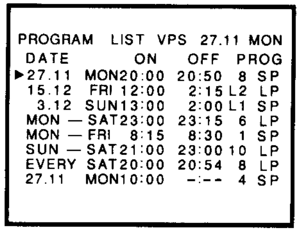
4 **Press TIMER ON SCREEN.**
The programme list appears.

5 **Press TIMER ON SCREEN again to return to the original screen.**

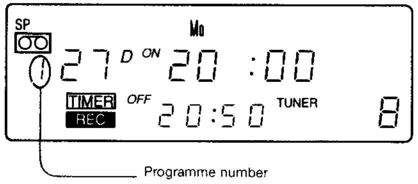
6 **Press TIMER REC ON/OFF to return to the timer recording standby mode.**

Timer Activated Recording





```
PROGRAM  LIST  VPS  27.11 MON
 DATE          ON    OFF  PROG
▶27.11  MON20:00  20:50  8  SP
 15.12   FRI 12:00   2:15 L2  LP
  3.12  SUN13:00   2:00 L1  SP
 MON — SAT23:00  23:15  6  LP
 MON — FRI   8:15   8:30  1  SP
 SUN — SAT21:00  23:00 10  LP
 EVERY SAT20:00  20:54  8  LP
 27.11  MON10:00   -:--  4  SP
```



Clearing/Correcting the Timer Setting

■ Referring to the programme list

1 **Display the programme list referring to steps 1 to 4 in "Checking the Timer Settings."**

2 **Press TIMER CHECK to call up and move cursor to the setting you want to correct or clear.**

3 **To clear the setting, press TIMER CLEAR.**
If there are other timer settings on the list, press TIMER REC ON/OFF to return to the timer recording standby mode.
To correct the setting, re-enter all of the items using the Commander. Refer to "Timer Activated Recording — Operation" steps 1 to 7.
The VTR automatically enters the timer recording standby mode.

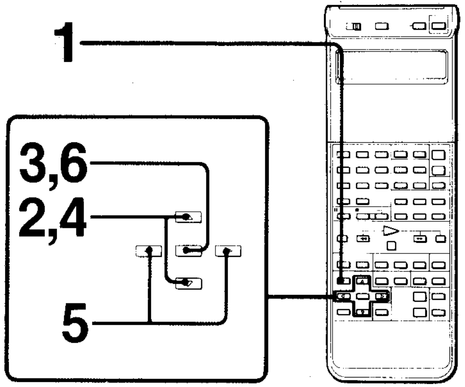
■ Clearing the setting without the programme list

1 **Press TIMER REC ON/OFF.**

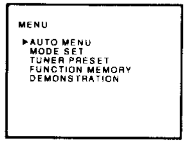
2 **Press TIMER CHECK repeatedly until the desired programme appears in the display window.**

3 **Press TIMER CLEAR.**

4 **Press TIMER REC ON/OFF to return to the timer recording standby mode if there are other programmes set for timer recording.**

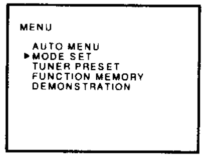


1



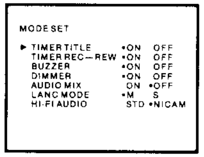
```
MENU
▶AUTO MENU
 MODE SET
 TUNER PRESET
 FUNCTION MEMORY
 DEMONSTRATION
```

2



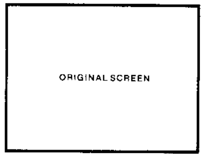
```
MENU
 AUTO MENU
▶MODE SET
 TUNER PRESET
 FUNCTION MEMORY
 DEMONSTRATION
```

3,4,5



```
MODE SET
▶ TIMER TITLE      •ON   OFF
  TIMER REC—REW    •ON   OFF
  BUZZER           •ON   OFF
  DIMMER           •ON   OFF
  AUDIO MIX         ON  •OFF
  LANC MODE        •M    S
* HI-FI AUDIO       STD •NICAM
```

6



```
ORIGINAL SCREEN
```

* HI-FI AUDIO for SLV-757UB/757NC only

To Automatically Rewind the Tape After Timer Recording

1 **Before setting the timer, press MENU.**

2 **Move cursor with ▲ or ▼ to MODE SET in the main menu.**

3 **Press EXECUTE.**

4 **Move cursor with ▲ or ▼ to TIMER REC — REW.**

5 **Press ◀ or ▶ to move the dot to ON.**
To cancel this setting, move the dot to OFF.

6 **Press EXECUTE to store this setting and return to the original screen.**

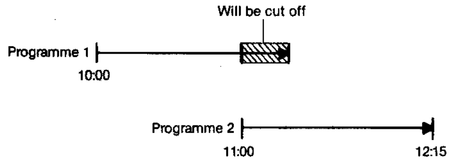
Using the VTR during Timer Recording Standby Mode

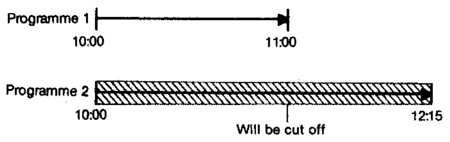
1 **Press TIMER REC ON/OFF to turn off the TIMER REC indicator.**

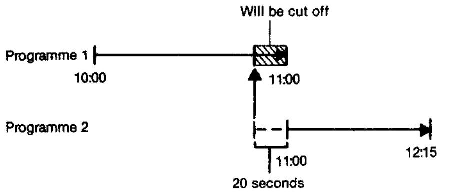
2 **Turn on the power of the VTR.**
The VTR is ready to be used.

3 **After using the VTR, press TIMER REC ON/OFF and light the TIMER REC indicator to re-enter the timer recording standby mode.**

Timer Activated Recording







When the Timer Settings Overlap

■If the setting of two programmes overlap

The recording of the following programme will begin automatically before the proceeding programme ends.

■If the turn on time of two programmes are the same

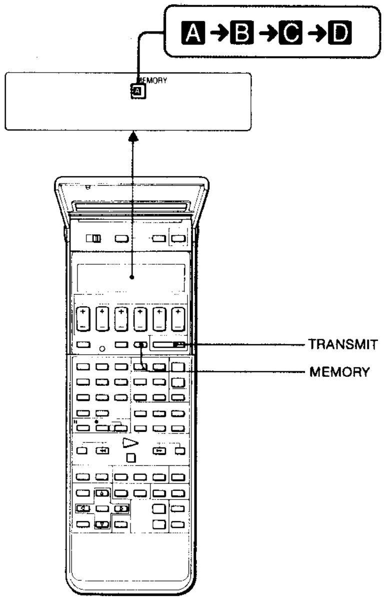
The VTR will record the programme with the smaller programme number or listed first on the programme list. The programme with the larger programme number or listed lower in the list will be erased.

■If the recording end time of programme 1 and the recording start time of programme 2 are the same

The last 20 seconds of programme 1 will not be recorded because the VTR will enter the recording pause mode for programme 2 and records the timer title for programme 2 before programme 1 ends.

Power interruption during timer recording standby/timer recording mode

- If the power interruption lasts less than three hours, the VTR will enter the recording standby mode or resume timer recording when the power is recovered.
- If the power interruption exceeds three hours during the recording standby mode, the timer settings will be cleared.
  Reset the clock and re-enter the items for timer recording again. If the power interruption occurred during timer recording, the recording will stop and the VTR will be turned off.



To Store the Frequently Used Timer Settings in the Commander

The items selected for one timer recording programme will be erased from the LCD when the Commander cover is closed, and cleared from the programme list as well when recording is over. However, the turn-on/turn-off time and the programme position of up to four programmes can be stored in the Commander to be recalled later. This enables you to quickly access the most frequently used items, especially your favorite weekly programme, since the recording date will automatically be shifted to the next week after the recording is over.

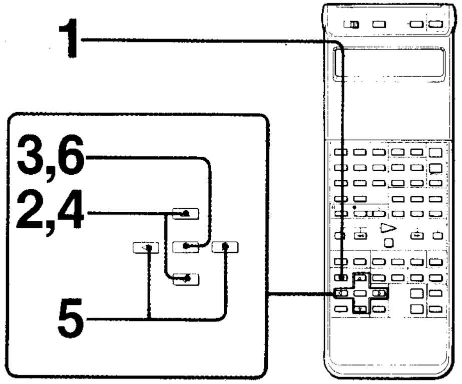
■Storing the parameters

1. **Press MEMORY to indicate MEMORY A.**
2. **Set all of the items for timer recording referring to "Timer Recording — Operation."**
3. **Press MEMORY to change the indication to B, C, or D, and repeat step 2 for other programmes.**
   The items set will be kept in the memory even when the Commander cover is closed.

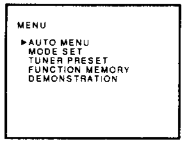
■Recalling and re-entering the items

1. **Press MEMORY to call up the desired memory indication (A, B, C, or D).**
2. **Make whatever changes necessary.**
3. **Press TRANSMIT.**
   The VTR enters the timer recording standby mode.

Timer Activated Recording

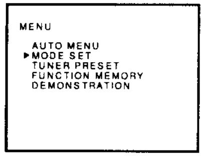


1



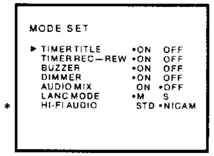
```
MENU
▶AUTO MENU
 MODE SET
 TUNER PRESET
 FUNCTION MEMORY
 DEMONSTRATION
```

2



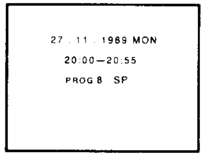
```
MENU
 AUTO MENU
▶MODE SET
 TUNER PRESET
 FUNCTION MEMORY
 DEMONSTRATION
```

3,4,5



```
MODE SET
  ▶ TIMER TITLE       •ON   OFF
    TIMER REC—REW     •ON   OFF
    BUZZER            •ON   OFF
    DIMMER            •ON   OFF
    AUDIO MIX          ON  •OFF
    LANC MODE         •M    S
*   HI-FI AUDIO        STD •NICAM
```

6



```
27 . 11 . 1989 MON
20:00—20:55
PROG 8   SP
```

* HI-FI AUDIO for SLV-757UB/757NC only

Recording a Timer Title

A timer title screen consisting of the recording start/end time, date of recording, and the programme position can be recorded on the tape for 3 seconds before the programme. The timer title is convenient for locating a desired programme when several programmes are recorded on a single tape.

1 **Before setting the timer, press MENU.**
The main menu appears.

2 **Move cursor with ▲ or ▼ to MODE SET.**

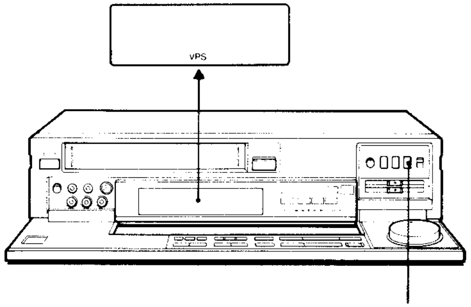
3 **Press EXECUTE.**
The MODE SET menu appears.

4 **Move cursor with ▲ or ▼ to TIMER TITLE.**

5 **Press ◀ or ▶ to move the dot to ON to record the timer title, and OFF to record without timer title.**

6 **Press EXECUTE to store the setting.**
If ON is selected in step 5, the timer title will automatically be recorded before the timer recording starts.

SLV-757VP only
The timer title cannot be recorded if the VPS indication is lit in the VTR's display window, regardless of the setting in the MODE SET menu.



VPS (Video Programme System) Function (SLV-757VP only)

The German broadcasting system transmits VPS signals with the TV programmes which assures that your timer recording will be performed without missing any portion of it regardless of any earliness, time delay, extension, or broadcast interruption which might occur during that programme.

■Operation

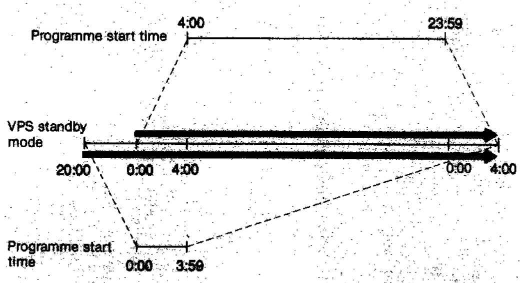
1 **Check whether VPS is transmitted with the programme to be recorded.**

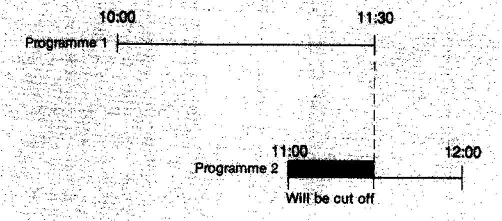
2 **Press VPS ON/OFF so that the VPS indicator lights in the display window.**

3 **Set the timer referring to "Timer Activated Recording — Operation."**

Notes
- The VPS button is effective only when the TIMER REC indicator is turned off.
- If the VPS signal was not received on the VTR because it was too weak or because the station failed to transmit, timer recording will be performed without the VPS function regardless of the VPS indication.
- The recording will stop when the VTR receives a VPS programme interruption code during recording, for example, when an urgent news bulletin was inserted. As soon as the interrupted programme resumes, recording will continue.
- The timer title will not be recorded, regardless of the setting in the MODE SET menu, when the VPS function is activated.

Timer-Activated Recording





■ VPS standby mode

The VTR will enter the standby mode for VPS recording far before the turn-on time and remains in the standby mode passed the preset turn on time until the VPS signal is received to prepare for any change in the actual broadcast time.

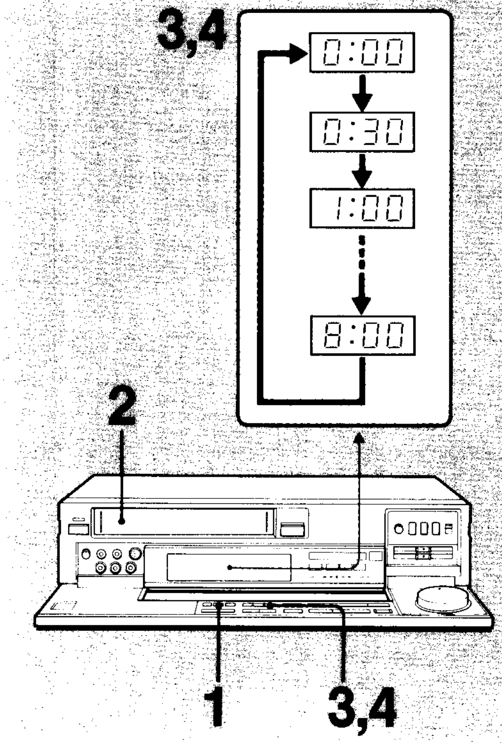
When the VPS timer recording is set for a programme which is expected to start between 4:00 and 23:59, the VTR will enter the standby mode at 0:00 that day and will keep on waiting for the VPS signal until 4:00 of the next day.

When the VPS timer recording is set for a programme which is expected to start between 0:00 and 3:59, the VTR will enter the standby mode at 20:00 the day before the recording day and will keep on waiting for the VPS signal until 4:00 on the next day.

■ If the actual recording time overlaps with the next timer recording programme

There may be cases when the actual broadcast time of two timer recording programmes overlap owing to the shift made by the VPS signal. In this case, the programme that was broadcast first always has priority. The recording of the second programme will begin only after the first programme is over.

Quick Timer Recording



What is Quick Timer Recording?

The quick timer recording function provides a short cut to enter the timer recording mode or to use the timer to turn off the VTR after recording is over. The timer can be set to operate within 8 hours in units of 30 minutes.

Operation

If you are recording, skip steps 1 to 3.

1 **Press INPUT SELECT so that TUNER indicator is turned on.**

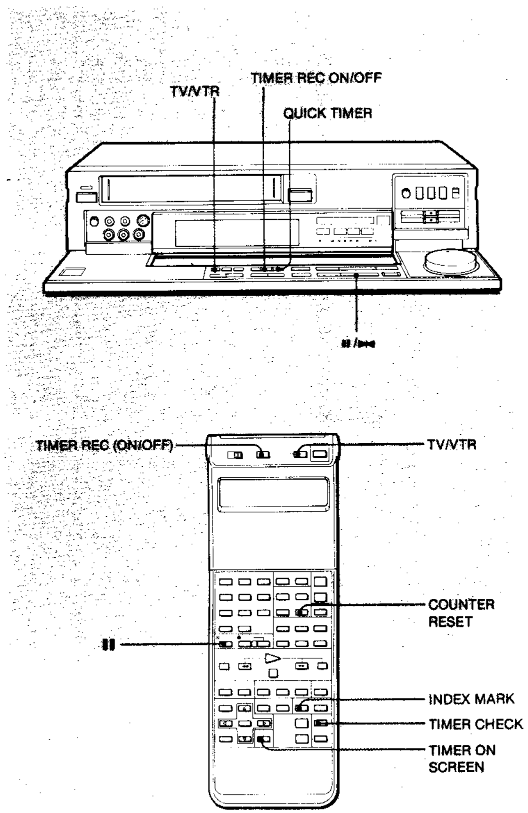
2 **Insert a cassette.**

3 **Press QUICK TIMER.**
The TIMER indicator lights in the display window. While 0:00 and programme position number is blinking in the display window, select the desired programme number with PROGRAM +/−.
A cassette with its safety tab removed will be ejected.

4 **Press QUICK TIMER again to start recording.**
Press QUICK TIMER again to set the recording duration within 30 seconds from step 3, otherwise the power will be turned off. Each press of QUICK TIMER changes the indication in the display window in units of 30 minutes.

5 **The recording duration will decrease minute by minute until 0:00 when the VTR will be automatically turned off.**

Quick Timer Recording



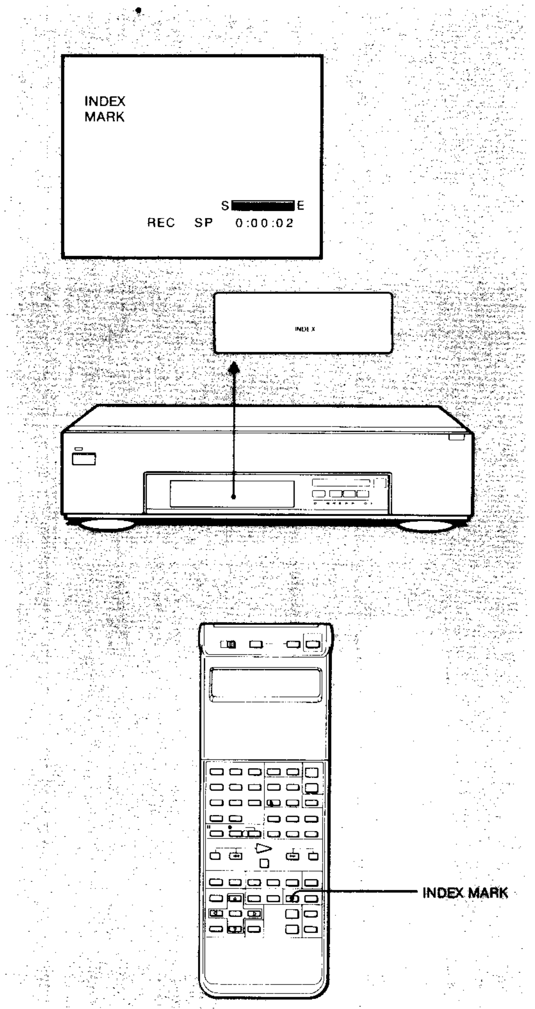
■ **Buttons operable during quick timer recording**

- **❚❚/▶◀, ❚❚** stops quick timer recording momentarily.
- **TIMER REC ON/OFF** stops quick timer recording.
- **QUICK TIMER** changes the recording duration.
- **TIMER ON SCREEN** displays the programme list.
- **TIMER CHECK** changes the programme number in the display window.
- **COUNTER RESET** resets the counter to zero.
- **INDEX MARK** marks an index signal.
- **TV/VTR** switches the screen to another programme received on the TV.

If power interruption occurs during quick timer recording
Recording will stop and the VTR will be turned off. If the power interruption lasted for less than three hours and if the power recovered within the quick timer duration, recording will resume from that instant.

If the unit is in timer recording standby mode
Press TIMER REC ON/OFF to turn off the indicator, then follow steps **4** and **5**.

Index Function



Marking Index Signals

The desired position on a tape can be located easily by detecting the index signals. There are two ways in which to mark index signals: automatic and manual. When the index signal is being marked, INDEX flashes in the display window and the INDEX MARK display will appear on the screen.

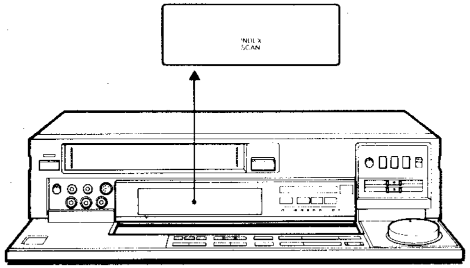
■ **Automatic index mark**
An index signal is automatically marked on the tape when the VTR starts recording.

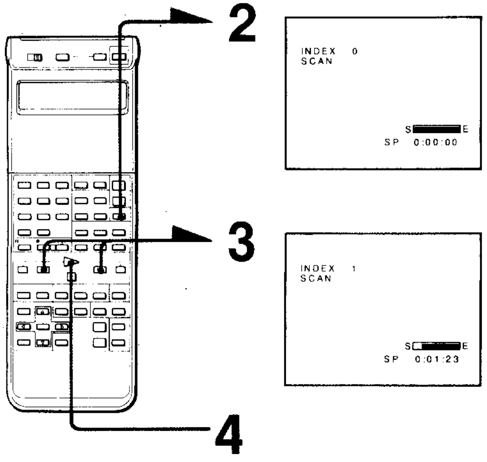
■ **Manual index mark**
Index signals can be marked at desired scenes during recording or normal playback. Press INDEX MARK to mark an index.

Notes

- Leave an interval of more than 2 minutes between two index points so that the VTR can detect each INDEX signal accurately.
- The recorded sound will not be heard while marking an index signal. But the audio signal will not be erased.
- Index signals cannot be marked on a tape whose safety tab is removed or on an unrecorded portion of the tape.

Index Function




2
3
4
INDEX 0
SCAN
S E
SP 0:00:00
INDEX 1
SCAN
S E
SP 0:01:23

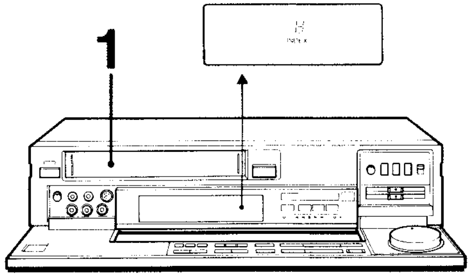
Playing Back from the Index Point — INDEX SCAN

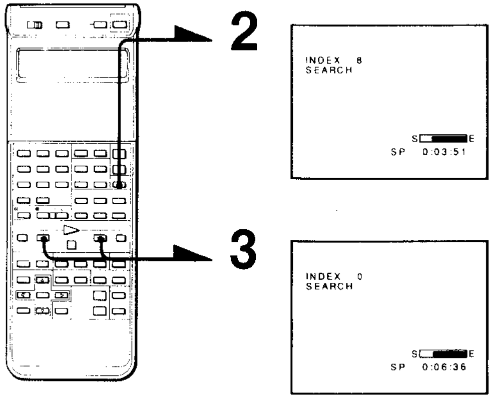
1 **Insert a cassette with index signals.**

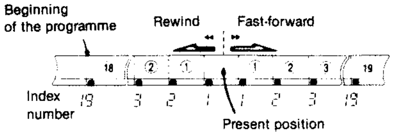
2 **Press INDEX once.**
INDEX or SCAN indicator blinks alternately in the display window.

3 **Press ◄◄ to play back from the previous programme.**
Press ►► to play back from the programme ahead.
The VTR will advance to the next or previous index signal. Then the VTR will play the tape for approximately 10 seconds, and then move to the next index in the selected direction. The index number changes one by one.

4 **Press ▷ when the desired index signal is detected.**




2
3
INDEX 8
SEARCH
S E
SP 0:03:51
INDEX 0
SEARCH
S E
SP 0:06:36


Beginning of the programme
Rewind
Fast-forward
18
2
1
1
2
3
19
Index number
19
3
2
1
1
2
3
19
Present position

Locating an Index — INDEX SEARCH

Direct search of the desired index point can be performed by entering the number of how many indexes ahead or behind it is from the current tape position. The VTR counts down how many more indexes should be searched for and displays the sequence in the display window. Up to 19 indexes from the preset position can be searched.

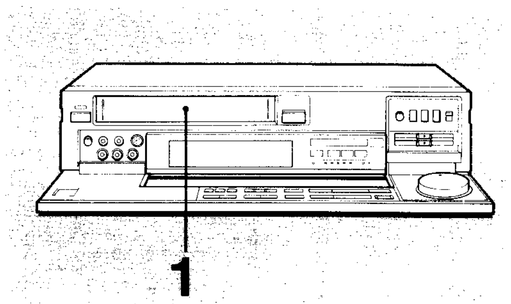
1 **Insert a cassette with index signals.**

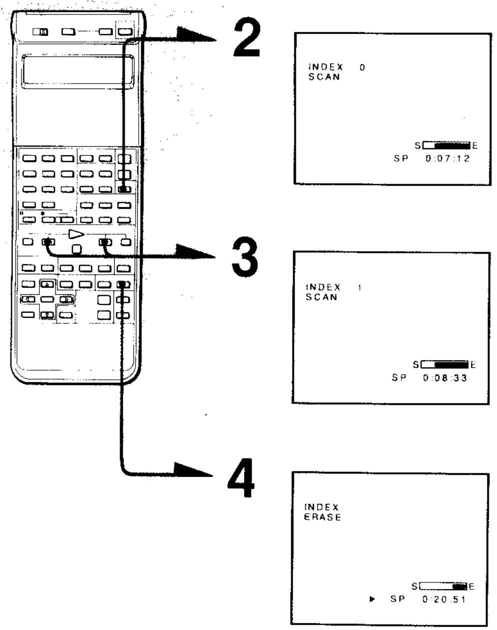
2 **Press INDEX to show how many indexes should be counted to reach the desired scene.**

3 **Press ◄◄ if the index is behind or ►► if the index is ahead of the current tape position.**
The VTR starts searching and the index number will be counted down to zero.

4 **Playback from the desired point starts.**

Index Function





Erasing an Index

The index marked on the tape can be erased.

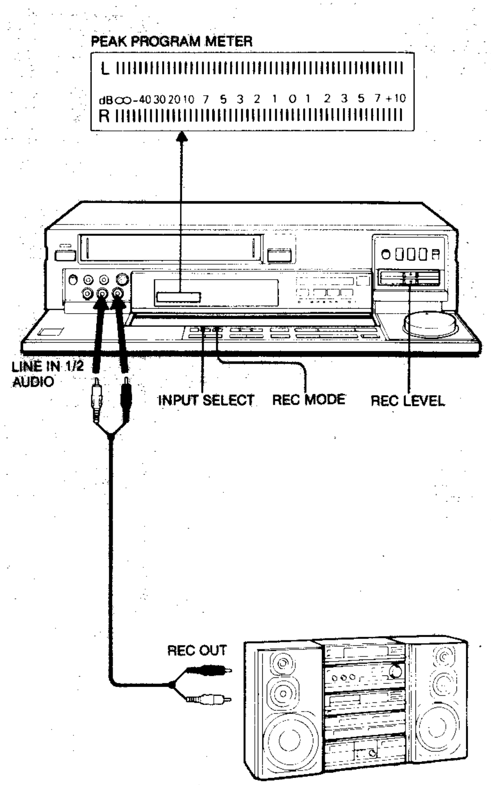
1 **Insert a cassette with index signals.**

2 **Press INDEX once.**

3 **Press ◄◄ or ►► to search for the index signal.**
When the VTR detects an index signal, the VTR will play the tape for approximately 10 seconds from the index. If that is the index you want to erase, go to step **4**. If that is not the index you want to erase, wait until the desired index is searched.

4 **Press INDEX ERASE while the VTR is in step 3.**
That index signal will be erased. While the index signal is being erased, the recorded sound will not be heard, but it will not be erased. If INDEX ERASE is not pressed within the 10 seconds of playback, the VTR will return to step 3.

Audio Recording



The hi-fi recording system of this unit allows recording of high quality stereo sound from an FM tuner, audio system, or other audio equipment.

Before You Begin

- •Connect your audio system to the LINE IN 1 or 2 AUDIO jacks using the supplied audio connecting cable.
- •Set INPUT SELECT to LINE L1 or LINE L2 to which your audio system is connected.
- •Select REC MODE, SP or LP.

Adjusting the Audio Recording Level

Play the recording source. While observing the PEAK PROGRAM METER, adjust the REC LEVEL controls referring to the following guide.

When recording from a conventional record: The right-most element (+10) should light up sometimes.

When recording from a compact disc or PCM processor: The right-most element (+10) should light up only at the highest signal level.

Recording

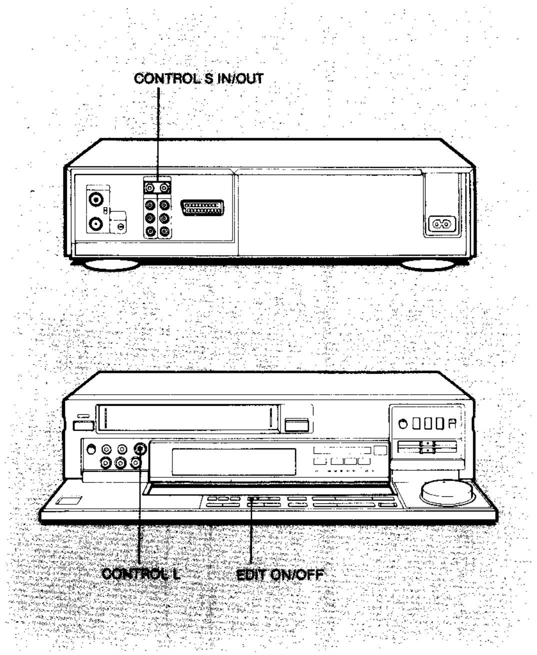
The recording procedure is the same as "Recording TV Programmes" on page 37.

PCM Recording and Playback

You can perform PCM recording and playback on the video track by connecting a PCM digital audio processor to the LINE IN and OUT VIDEO jacks on this unit. For details, refer to the instruction manual of the PCM digital audio processor.

Caution
To avoid damaging the speakers due to a wide dynamic range of a hi-fi recorded tape/disc, turn down the volume of the TV before playing back a hi-fi recorded tape/disc.

Tape Editing



Before You Begin

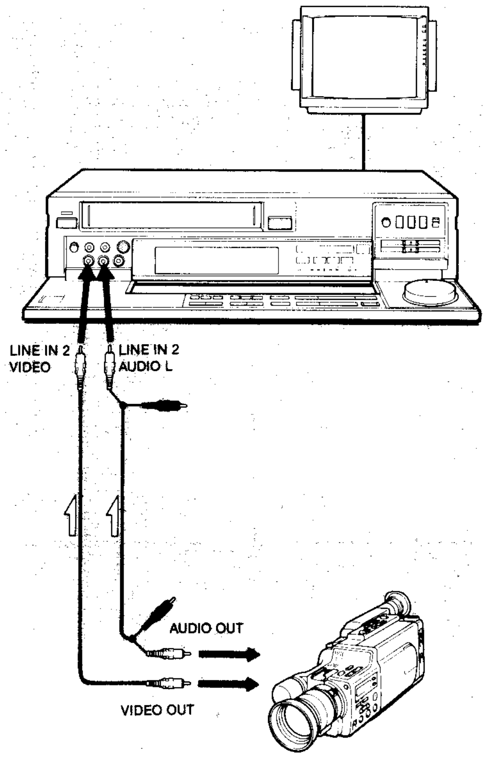
You can create your own video programme by editing with other VTRs. Take a look at the following examples to expand your pleasure in video operation.

■ Use of the Sony control terminals

If your second VTR is equipped with Sony control terminals, CONTROL L or CONTROL S output or input, synchronized editing can be performed. Synchronized editing enables remote control of this VTR's playback/recording start and pause by the other VTR.
See pages 69 through 74.

■ Use of the EDIT mode

The EDIT mode activated by the EDIT ON/OFF button on the unit enables recording and playback of higher quality pictures during editing. If your other VTR is equipped with this function, turn it on. However, note that even when using the EDIT mode during editing, the quality of the edited tape will have a certain extent of degradation in picture and sound. Avoid using the edited tape for multiple generations of editing.



Editing from another VTR

Using this VTR as a recording VTR and a 8 mm video camera recorder as a playback VTR.

■ Before you begin

- Make connections using the supplied video and audio connecting cables as illustrated.
- If the other VTR is a monaural type as shown in the illustration, connect the white plug to LINE IN 2 AUDIO L and leave the red plugs unconnected. This enables the sound to be separated into the right and left channels. If the other VTR is a stereo type, make connections with both the red and white plugs.
- Press INPUT SELECT on this VTR to indicate LINE L1 or LINE L2 to match the jack to which you have connected the other VTR.
- Activate the EDIT mode on both VTRs.
- Select the recording tape speed, SP or LP.

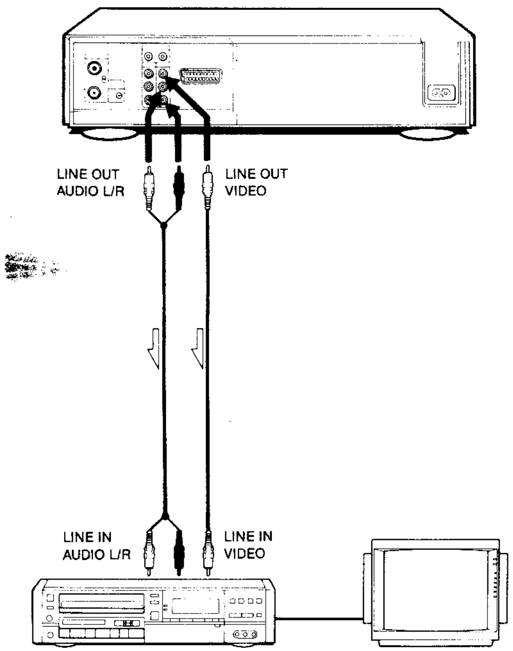
■ Operation

1 Insert a source tape into the playback VTR. Insert a tape for recording into this VTR.

2 Play back on the playback VTR and record with this VTR.

Notes
- The cables with an * (asterisk) is optional.
- The ⇨ mark indicates the signal flow.

Tape Editing


LINE OUT
AUDIO L/R
LINE OUT
VIDEO
LINE IN
AUDIO L/R
LINE IN
VIDEO

Editing onto Another VTR

Using this VTR as a playback VTR and another VTR as a recording VTR.

■ Before You Begin

- Make connections using the supplied video and audio connecting cables as illustrated. If the other VTR is a monaural type, make connections with the optional RK-C72 audio connecting cable.
- Press AUDIO MONITOR on the Commander to select the sound to be recorded.
- Activate the EDIT mode on both VTRs.
- Select the line input on the other VTR.

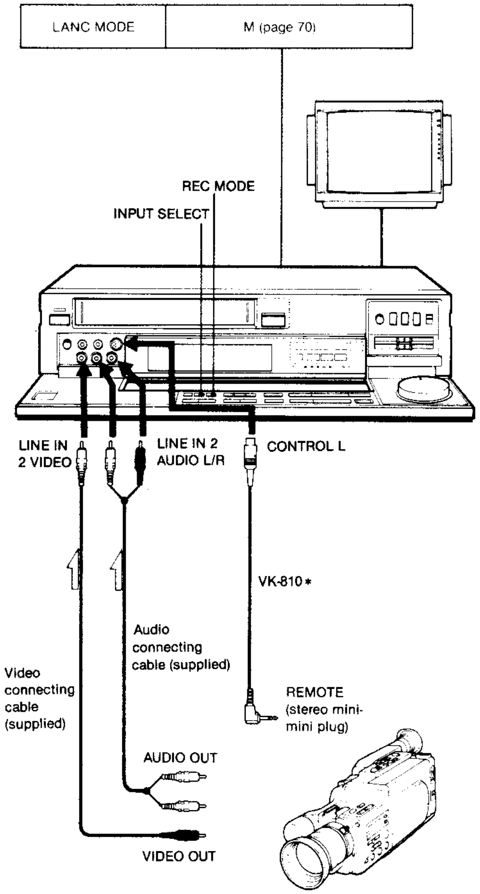
■ Operation

1 **Insert a source tape into this VTR. Insert a tape for recording into the recording VTR.**

2 **Play back on this VTR and record with the recording VTR.**

Note
Do not connect the same VTR to both the LINE IN and LINE OUT jacks of this VTR. This may cause hum noise.

Synchronized Editing — Editing with a VTR Equipped with a Sony Control Terminal


LANC MODE
M (page 70)
REC MODE
INPUT SELECT
LINE IN
2 VIDEO
LINE IN 2
AUDIO L/R
CONTROL L
VK-810*
Audio
connecting
cable (supplied)
Video
connecting
cable
(supplied)
REMOTE
(stereo mini-
mini plug)
AUDIO OUT
VIDEO OUT

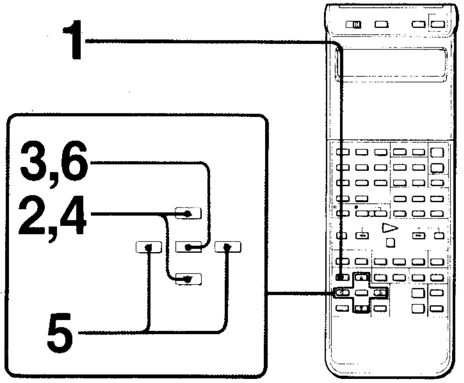
Connecting a VTR equipped with a CONTROL L connector

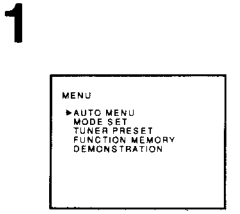
Using this VTR as a recording VTR and another VTR as a playback VTR.

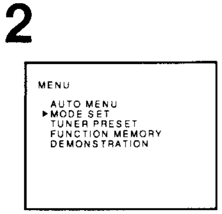
- When the REMOTE connector of the other VTR is a stereo mini-mini plug, use the optional VK-810. If it is a 5-pin DIN connector, use the optional VK-800 connecting cable instead of VK-810.
- If the other VTR is monaural, connect the white plug to LINE IN 2 AUDIO L and leave the red plugs unconnected. This enables the sound to be separated into the right and left channels. Do not connect nothing to LINE IN 2 AUDIO R.

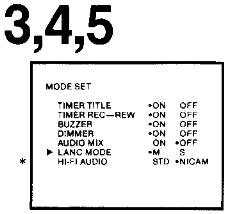
Notes
- The cables with an * (asterisk) is optional.
- The ⇢ mark indicates the signal flow.

Synchronized Editing — Connection



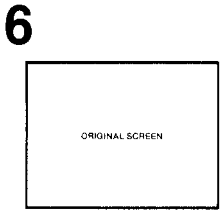

1
MENU
▶AUTO MENU
MODE SET
TUNER PRESET
FUNCTION MEMORY
DEMONSTRATION


2
MENU
AUTO MENU
▶MODE SET
TUNER PRESET
FUNCTION MEMORY
DEMONSTRATION



```
MODE SET

  TIMER TITLE        •ON    OFF
  TIMER REC—REW      •ON    OFF
  BUZZER             •ON    OFF
  DIMMER             •ON    OFF
  AUDIO MIX           ON   •OFF
▶ LANC MODE          •M     S
* HI-FI AUDIO         STD  •NICAM
```


6
ORIGINAL SCREEN

∗ HI-FI AUDIO for SLV-757UB/757NC only

■ To set LANC MODE

When the other VTR is connected via the CONTROL L connector, you may select the LANC MODE which determines if this VTR controls the other VTR via the CONTROL L connector or it is controlled by the other VTR. This is LANC MODE.
To perform synchronized editing using the SYNCHRO EDIT button on this VTR, select LANC MODE M as follows:

1 **Press MENU.**
The main MENU appears.

2 **Move cursor with ▼ or ▲ to MODE SET.**

3 **Press EXECUTE.**
The MODE SET menu appears.

4 **Move cursor with ▼ or ▲ to LANC MODE.**

5 **Move the dot with ◀ or ▶ to M when you control the other VTR through this VTR, and to S when you control this VTR through the other VTR.**

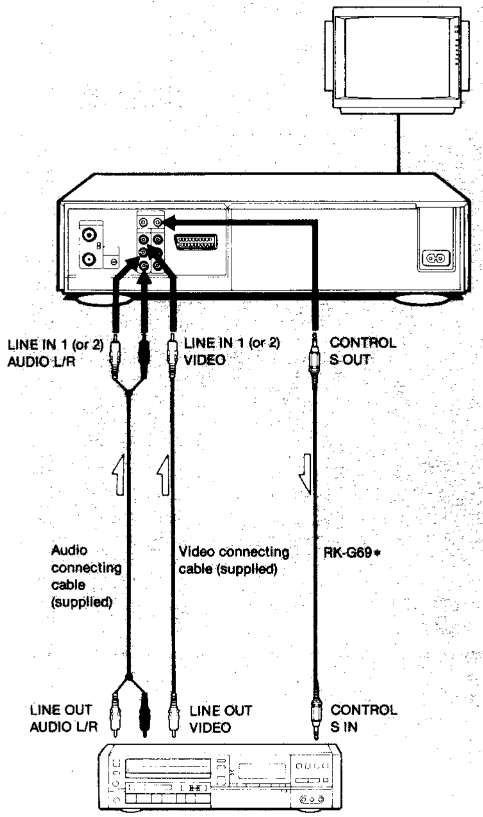
6 **Press EXECUTE to store the setting and return to the original screen.**

■ Operation

See "Synchronized Editing from Another VTR" on page 73.

Using a Sony editing controller RM-E300
You can perform automatic assemble editing of up to 8 programmes. Select the LANC MODE S in the MODE SET menu.

About the LANC
LANC stands for Local Application Control Bus System. The LANC connector is used for controlling the tape transport of video equipment and peripherals connected to it. This connector has the same function as the connectors indicated as CONTROL L or REMOTE.


LINE IN 1 (or 2) AUDIO L/R
LINE IN 1 (or 2) VIDEO
CONTROL S OUT
Audio connecting cable (supplied)
Video connecting cable (supplied)
RK-G69∗
LINE OUT AUDIO L/R
LINE OUT VIDEO
CONTROL S IN

Connecting a VTR Equipped with a CONTROL S Input Jack

Using this VTR as a recording VTR and another VTR as a playback VTR.

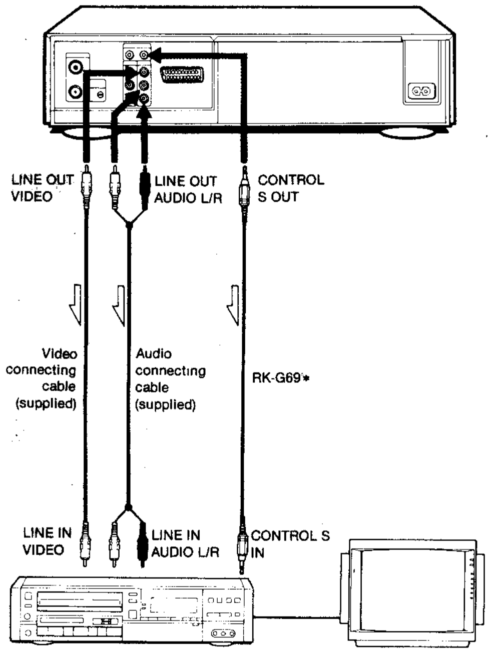
- If the other VTR is monaural, connect the VTR to LINE IN 1 AUDIO L/R using the optional RK-C72 audio connecting cable.
- When using LINE IN 2 on the front to connect a monaural VTR, use the supplied audio connecting cable and make the connection to LINE IN 2 AUDIO L via the white plugs. This enables the sound to be separated into the right and left channels. Leave the red plugs unconnected.

■ Operation

See "Synchronized Editing from Another VTR" on page 73.

When a new scene is inserted onto the recorded tape
See "Insert Editing" on page 76.
The edited picture will be distorted at the editing end point.

Synchronized Editing — Connection


LINE OUT VIDEO
LINE OUT AUDIO L/R
CONTROL S OUT
Video connecting cable (supplied)
Audio connecting cable (supplied)
RK-G69*
LINE IN VIDEO
LINE IN AUDIO L/R
CONTROL S IN

Connecting a VTR Equipped with a CONTROL S Input Jack

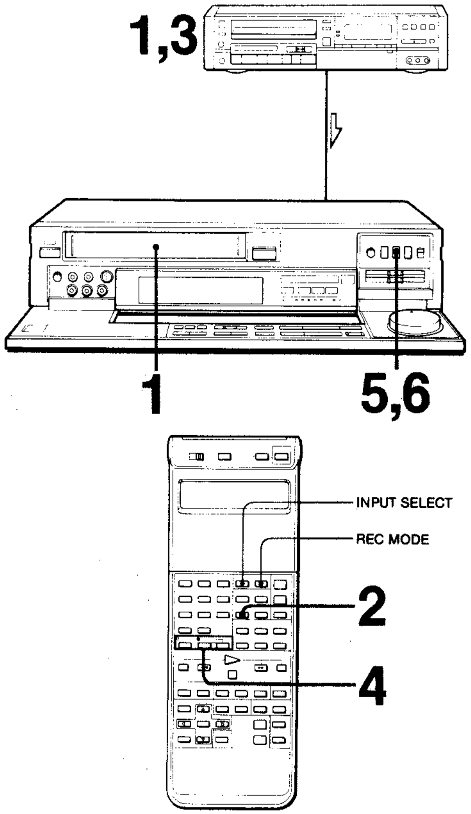
Using this VTR as a playback VTR and another VTR as a recording VTR.

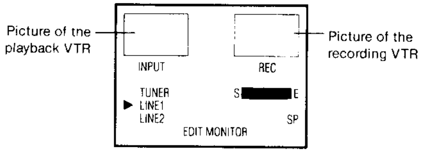
- If the other VTR is monaural, connect the VTR to LINE OUT AUDIO L/R using the optional RK-C72 audio connecting cable.

■ Operation

See "Synchronized Editing onto Another VTR" on page 74.

Synchronized Editing — Operation


1,3
1
5,6
INPUT SELECT
REC MODE
2
4


Picture of the playback VTR
Picture of the recording VTR
INPUT
REC
TUNER
▶ LINE1
LINE2
S E
SP
EDIT MONITOR

Synchronized Editing From Another VTR

Using this VTR as a recording VTR and another VTR as a playback VTR.

■ Before You Begin

- Press INPUT SELECT on the Commander to indicate LINE L1 or LINE L2 to match the jácks to which you have connected the other VTR.
- Press REC MODE to select the recording tape speed, SP or LP.

■Operation

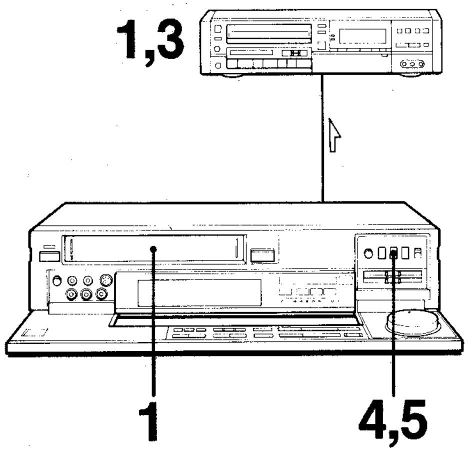
1. **Insert a source tape into the playback VTR. Insert a tape for recording into this VTR.**
2. **Press EDIT MONITOR.**
3. **On the playback VTR, locate the point where you wish to start editing and set the VTR to the playback pause mode.**
4. **On this VTR, locate the recording starting point and set the VTR to the recording pause mode.**
5. **Press SYNCHRO EDIT.**
   Playback and recording will start on each VTR. The EDIT mode will be activated automatically.
6. **To stop editing, press SYNCHRO EDIT.**
7. **To edit more scenes, repeat steps 3, 5 and 6.**

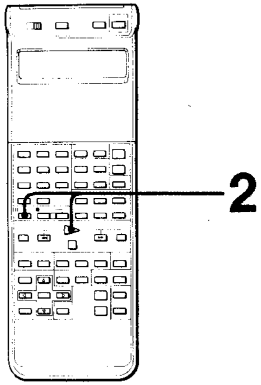
To stop editing, press ■ STOP on both VTRs.

Notes

- For considering of the rise time of the player, the recording will start approximately 1 second after the playback pause mode is released.
- When this unit is used as the recording VTR and the SYNCHRO EDIT indicator lights, if the variable speed picture, such as the slow speed or double speed picture is played back on the playback VCR, the variable speed picture will be recorded.

Synchronized Editing — Operation





Synchronized Editing onto Another VTR

Using this VTR as a playback VTR and another VTR as a recording VTR.

■Operation

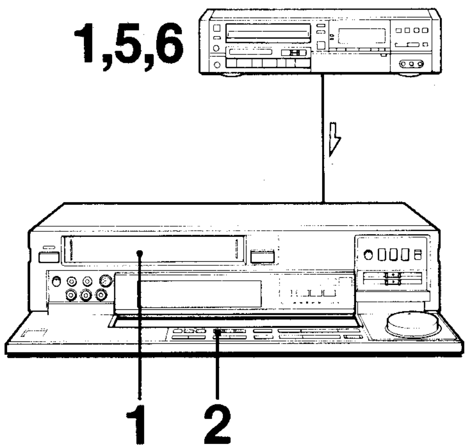
1. **Insert a source tape into this VTR. Insert a tape for recording into the recording VTR.**
2. **On this VTR, locate the point where you wish to start editing and set the VTR to the playback pause mode.**
3. **On the recording VTR, locate the recording starting point and set the VTR to the recording pause mode.**
4. **Press SYNCHRO EDIT.**
   After a tape is rewound a little, playback will start on this VTR. The recording will start at the assigned recording starting point.
   The EDIT mode will be activated automatically.
5. **To stop editing, press SYNCHRO EDIT.**
6. **To edit more scenes, repeat steps 2, 4 and 5.**

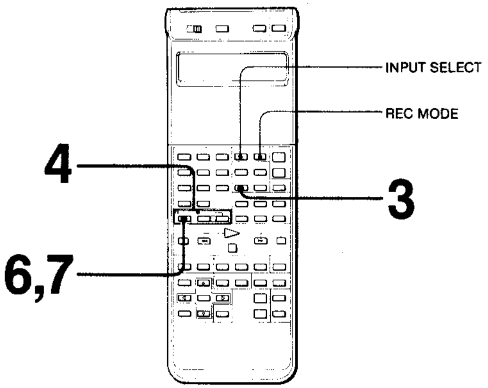
To stop editing, press ■ STOP on both VTRs.

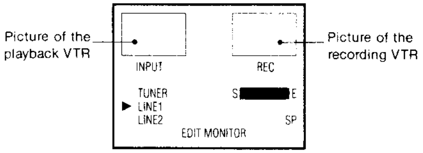
When using the synchronized editing function of another Sony VTR
When the VTRs are connected via the CONTROL S jacks, set COMMAND MODE of this unit to VTR 1 or VTR 2. With VTR 3 setting, this VTR may not be operated.

Note
Do not operate the buttons on the VTRs or Commander during editing. Doing so may cause a multfunction.

Manual Editing — Editing with a VCR not Equipped with a Sony Control Terminal







Using this VTR as a recording VTR and another VTR as a playback VTR.

For connections, see page 69 or 71. The CONTROL L or CONTROL S connection is not necessary.

■ Before You Begin

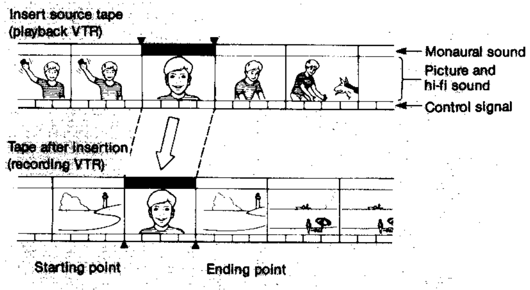
- Press INPUT SELECT on the Commander to indicate LINE L1 or LINE L2 to match the jacks to which you have connected the other VTR.
- Press REC MODE to select the recording tape speed, SP or LP.

■Operation

1. **Insert a source tape into the playback VTR. Insert a tape for recording into this VTR.**
2. **Press EDIT to light the EDIT indicator in the display window.**
3. **Press EDIT MONITOR.**
4. **On this VTR, locate the recording starting point and set the VTR to the recording pause mode.**
5. **On the playback VTR, locate the point where you wish to start editing and set the VTR to the playback pause mode.**
6. **Press ıı PAUSE of both VTRs simultaneously to start editing.**
7. **To stop editing, press ıı PAUSE of this VTR.**
8. **To edit more scenes, repeat steps 5 to 7.**

To stop editing, press ■STOP on both VTRs.

Insert Editing



Insert source tape (playback VTR)
Monaural sound
Picture and hi-fi sound
Control signal
Tape after insertion (recording VTR)
Starting point
Ending point

You can easily insert a new picture and/or sound onto a pre-recorded tape. This editing is useful to replace an unnecessary scene (sound) with another scene (sound).

■ Before You Begin

- •For connection, see page 69 or 71. (The CONTROL L or CONTROL S connection is not needed.)
- •Select the insert source from the equipment connected to LINE IN 1 and 2.

■Operation

1 Insert a source tape into the playback VTR. Insert a tape for recording into this VTR.

2 Press EDIT.
If the playback VTR is equipped with the EDIT switch, set it to ON.

3 Press EDIT MONITOR.

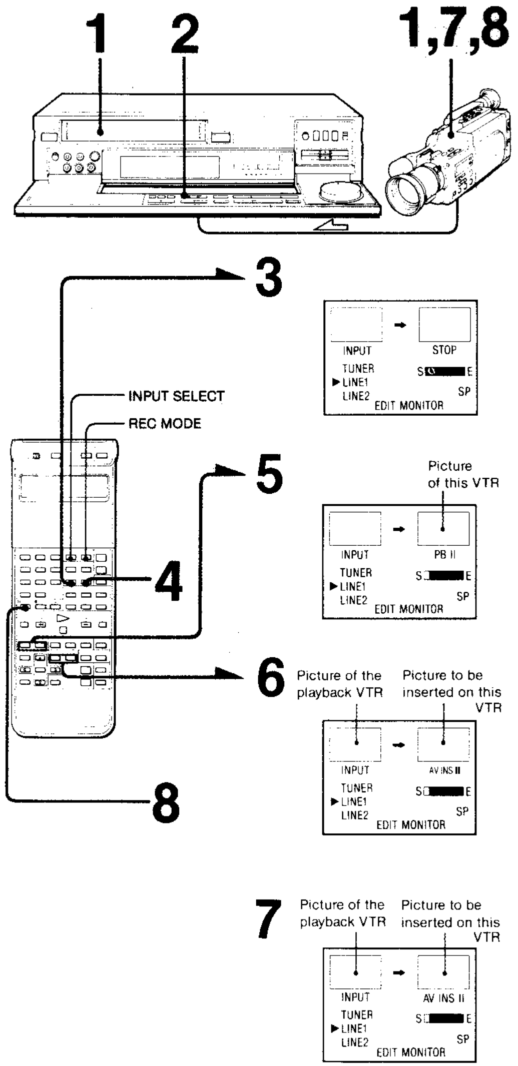
4 On this VTR, locate the ending point and press COUNTER RESET.
The counter will show "0H00M00S" and the ending point will be memorized.

5 On this VTR, locate the starting point and set the VTR to the playback pause mode.
The SWING SHUTTLE dial or SHUTTLE EDIT buttons are useful for this operation.

6 Press VIDEO/AUDIO INSERT.
For audio insert, press AUDIO.
For video insert, press VIDEO.
For audio and video insert, press both AUDIO and VIDEO.
The indicator corresponding to the button pressed will light.

7 On the playback VTR, locate the starting point where you want to start the insertion and set the VTR to the playback pause mode.

8 Press ıı PAUSE of both VTRs to start the insertion.
At the ending point (0H00M00S), the insertion will stop automatically.



1
2
1,7,8
3
INPUT
STOP
TUNER
▶LINE1
LINE2
S E
SP
EDIT MONITOR
INPUT SELECT
REC MODE
4
5
Picture of this VTR
INPUT
PB II
TUNER
▶LINE1
LINE2
S E
SP
EDIT MONITOR
6
Picture of the playback VTR
Picture to be inserted on this VTR
INPUT
AV INS II
TUNER
▶LINE1
LINE2
S E
SP
EDIT MONITOR
8
7
Picture of the playback VTR
Picture to be inserted on this VTR
INPUT
AV INS II
TUNER
▶LINE1
LINE2
S E
SP
EDIT MONITOR

■To stop the insertion temporarily
Press ıı PAUSE.

■To stop on-going insertion
Press ■ STOP.

■To turn off the EDIT MONITOR display
Press EDIT MONITOR.

When the VIDEO INSERT button is pressed
The picture and the hi-fi sound will be inserted. (The monaural sound will be retained.)

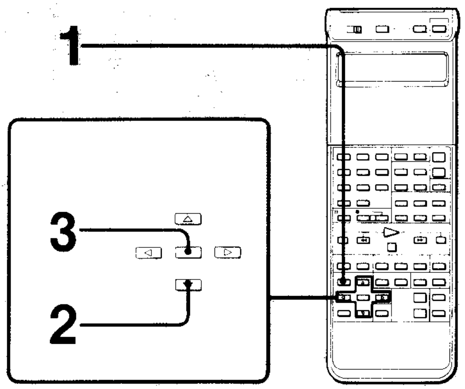
When the AUDIO INSERT button is pressed
The monaural sound will be inserted. (The picture and the hi-fi sound will be retained.)

When the VIDEO and AUDIO INSERT buttons are pressed
The picture, hi-fi sound and monaural sound will be inserted.

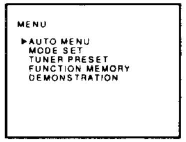
Notes
- •The insertion cannot be made onto the unrecorded portion of a tape.
- •After the insertion, the pre-recorded picture and/or sound will be erased.

■When the sound from the microphone is inserted
When the microphone is connected to MIC jack, the sound from the microphone is automatically selected and it is recorded on the normal audio track. When **VIDEO INSERT** is pressed, the sound from the microphone cannot be recorded.

The Menu System

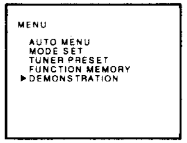


1



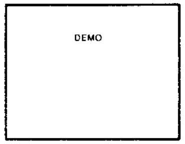
MENU
▶AUTO MENU
MODE SET
TUNER PRESET
FUNCTION MEMORY
DEMONSTRATION

2



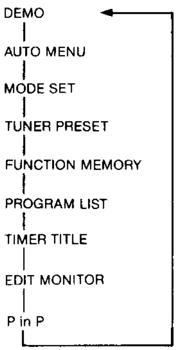
MENU
AUTO MENU
MODE SET
TUNER PRESET
FUNCTION MEMORY
▶DEMONSTRATION

3



DEMO

4



Demonstration Menu

As you have noticed, many of the operations on this unit are guided by the menu system. All of the menus are explained in sections where and when needed. However, to get an overview of the menu system, check the DEMONSTRATION menu which will give you a quick review of the MENU system.

■Operation

1 **Press MENU.**
The main MENU appears.

2 **Move cursor to DEMONSTRATION.**

3 **Press EXECUTE.**

4 **The screen will change automatically as shown in the illustration.**
The DEMONSTRATION menu can be stopped at the desired screen by pressing EXECUTE. Press EXECUTE again to resume the DEMONSTRATION menu sequence. Press any button except for EXECUTE to get out of the DEMONSTRATION mode.

To Dim Out the Display Window

The indications in the display window can be dimmed out when the VTR is in the standby mode.

1 **Press MENU.**
The main MENU appears.

2 **Move cursor with ▲ or ▼ to MODE SET and press EXECUTE.**

3 **Move cursor to DIMMER and select ON with ◀ to dim the indication.**

4 **Press EXECUTE to store the setting and return to the original screen.**

SECTION 3

DISSASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

3-1. REMOVAL OF UPPER CASE, BOTTOM PLATE AND FRONT PANEL

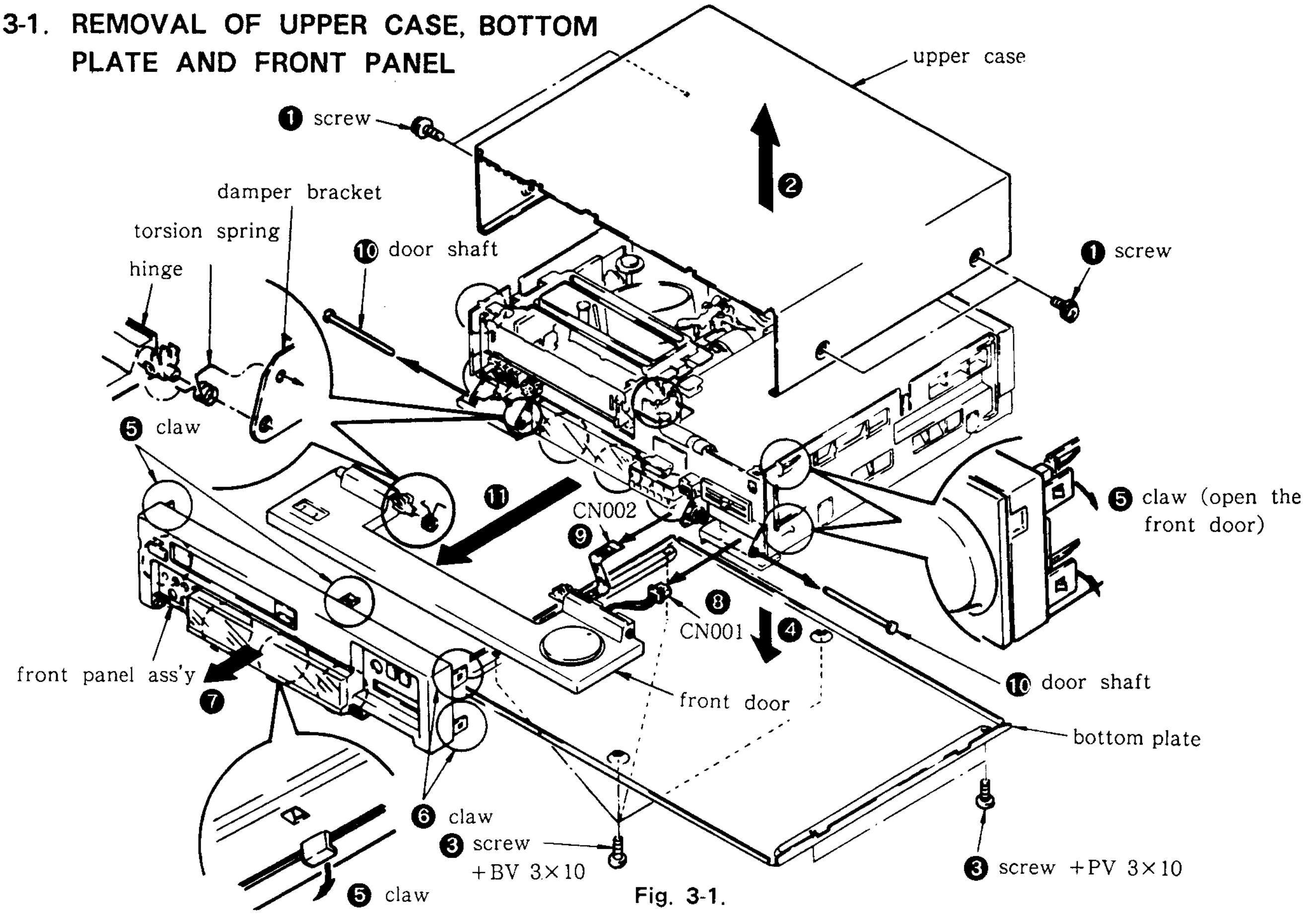

upper case
❶ screw
❷
damper bracket
torsion spring
hinge
❿ door shaft
❶ screw
❺ claw
⓫
CN002
❾
❺ claw (open the front door)
❽
CN001
❹
front panel ass'y
❼
front door
❿ door shaft
bottom plate
❻ claw
❸ screw +BV 3×10
❺ claw
❸ screw +PV 3×10

Fig. 3-1.

3-2. REMOVAL OF SWITCH BLOCK AND SHUTTLE

Note : Before remove the sash aluminum ass'y, remove connector Ⓐ and FPC Ⓑ .

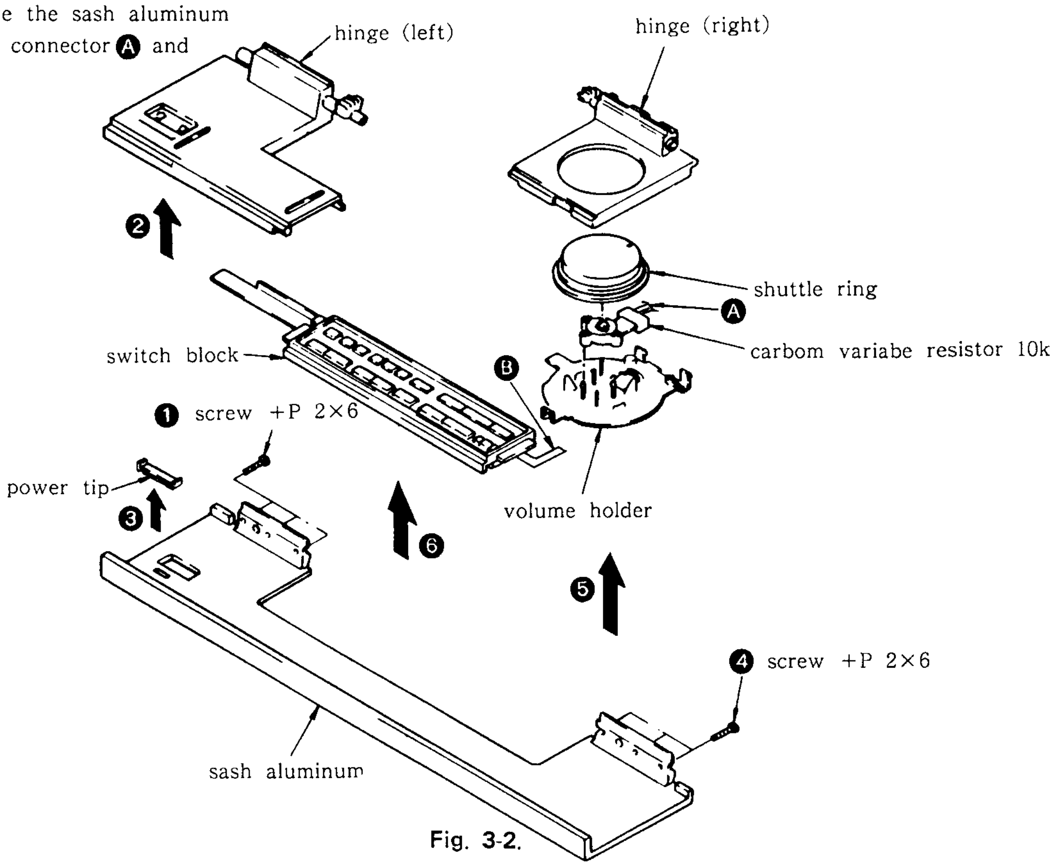

hinge (left)
hinge (right)
❷
shuttle ring
Ⓐ
carbom variabe resistor 10k
switch block
Ⓑ
❶ screw +P 2×6
power tip
❸
❻
volume holder
❺
❹ screw +P 2×6
sash aluminum

Fig. 3-2.

3-3. REMOVAL OF MF-48, MF-49, MF-66 BOARDS

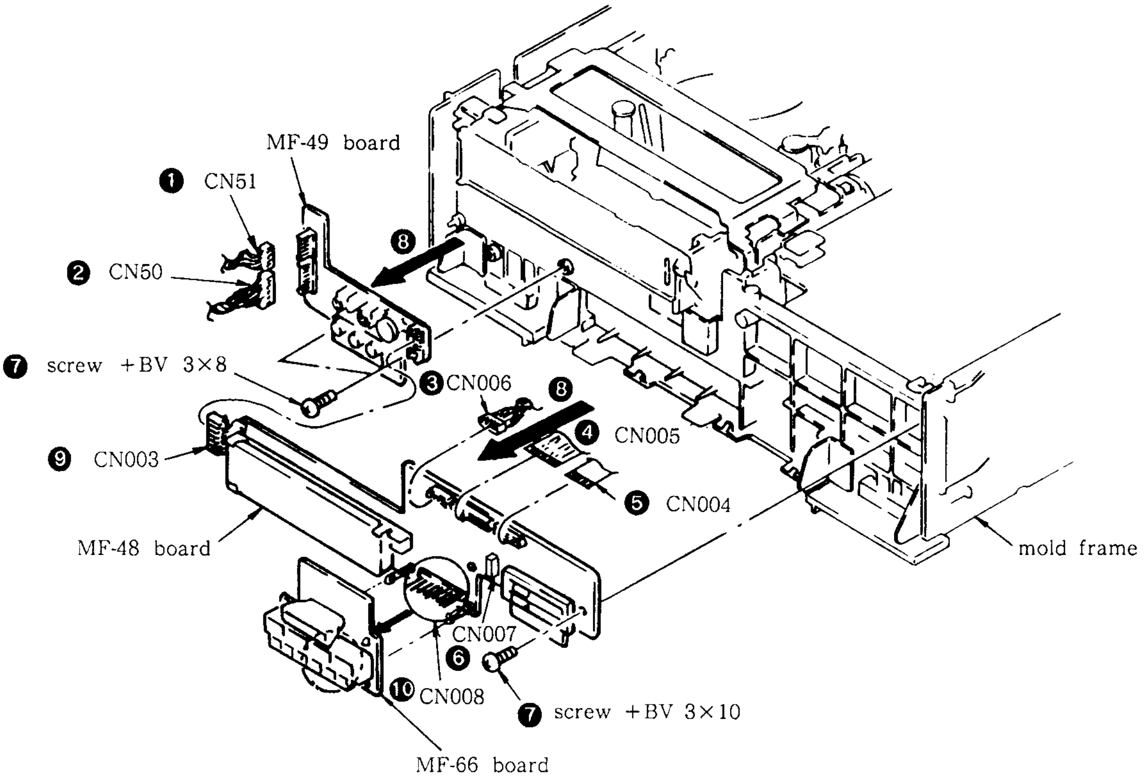

MF-49 board
❶ CN51
❷ CN50
❽
❼ screw +BV 3×8
❸ CN006
❽
❹ CN005
❾ CN003
❺ CN004
MF-48 board
mold frame
CN007
❻
❿ CN008
❼ screw +BV 3×10
MF-66 board

Fig. 3-3.

3-4. REMOVAL OF FL CASSETTE COMPARTMENT ASSEMBLY

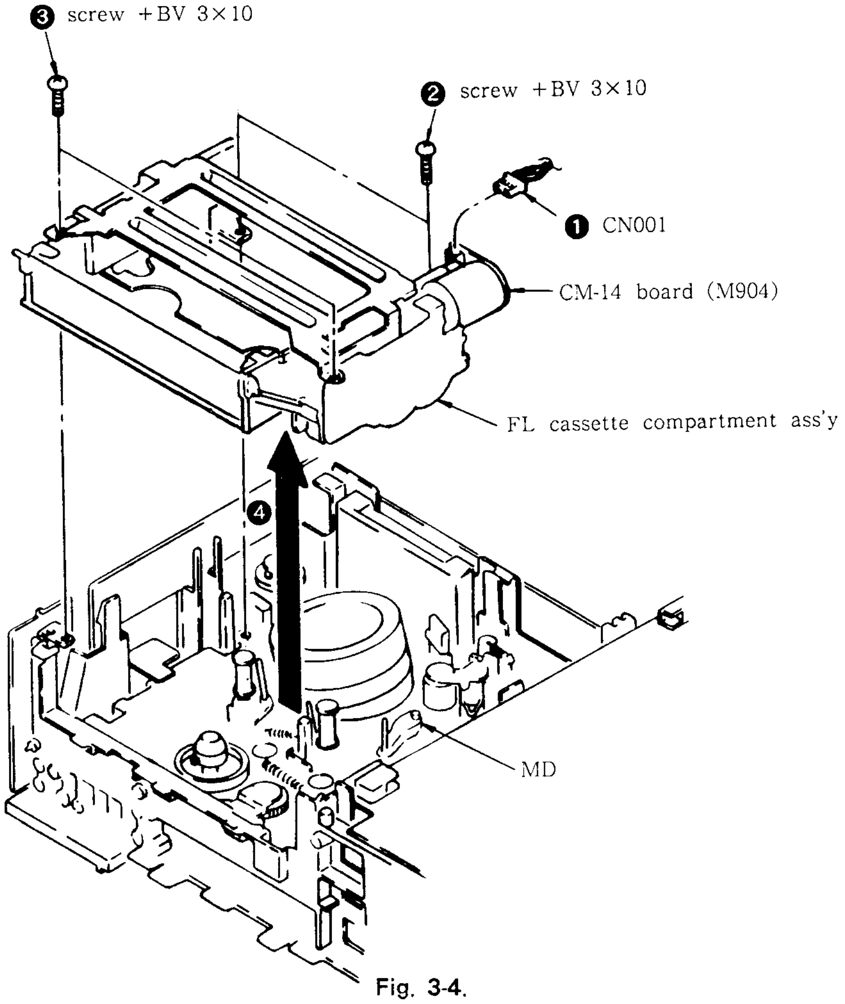

❸ screw +BV 3×10
❷ screw +BV 3×10
❶ CN001
CM-14 board (M904)
FL cassette compartment ass'y
❹
MD

Fig. 3-4.

3-5. REMOVAL OF MECHANISM DECK ASSEMBLY

1) Remove the MD retainer and MD fixed plate and then the MD ass'y ❿ in the arrow ❿ direction.
2) FL cassette compartment stick MD ass'y and the same 1).
3) Install MD ass'y, MD front to Ⓑ connecting and fixed MD rear.

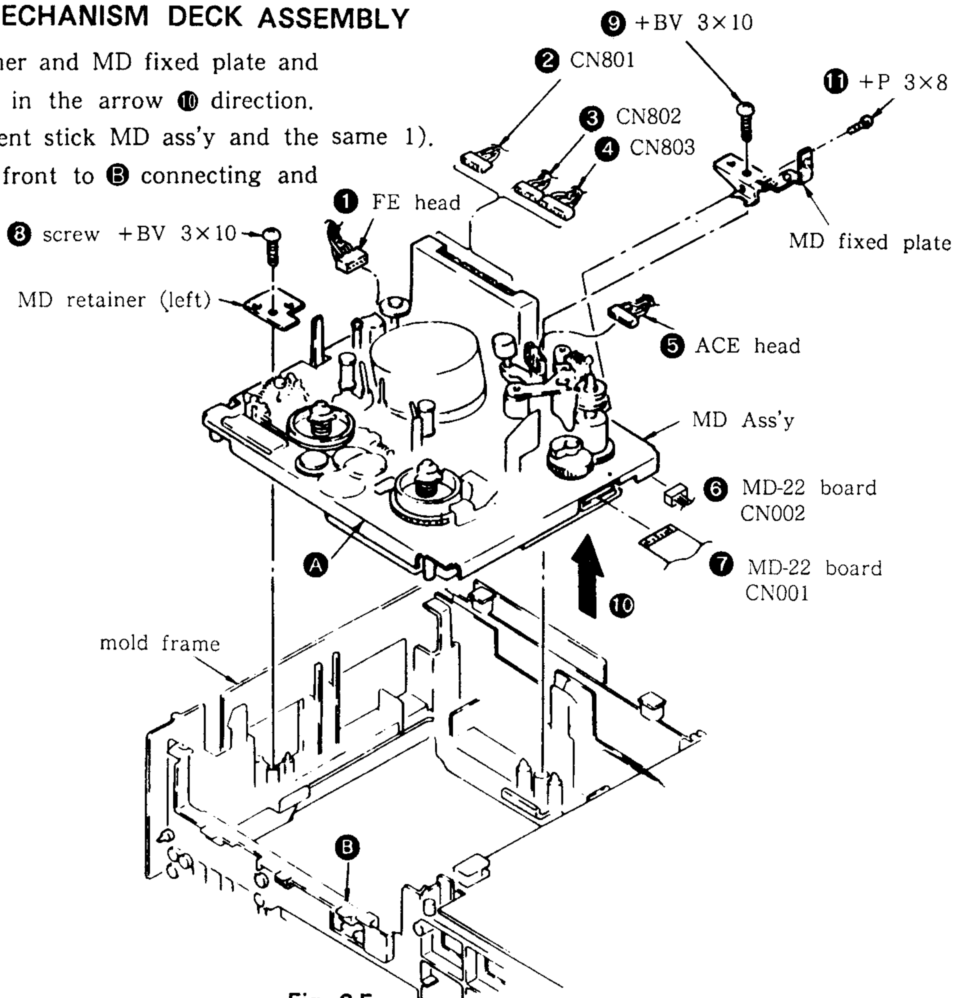

❾ +BV 3×10
❷ CN801
⓫ +P 3×8
❸ CN802
❹ CN803
❶ FE head
MD fixed plate
❽ screw +BV 3×10
MD retainer (left)
❺ ACE head
MD Ass'y
❻ MD-22 board CN002
❼ MD-22 board CN001
Ⓐ
❿
mold frame
Ⓑ

Fig. 3-5.

3-6. REMOVAL OF MA-29, HF-9, BOARDS AND TERMINAL ASSEMBLY

1) Remove the MA-29 on the chassis, stand up to the MA-29 board, and push the section of the board hinge Ⓐ shown in Fig. 3-6 in the direction Ⓑ using a sloted screwdriver, ect and the board hinge are off.

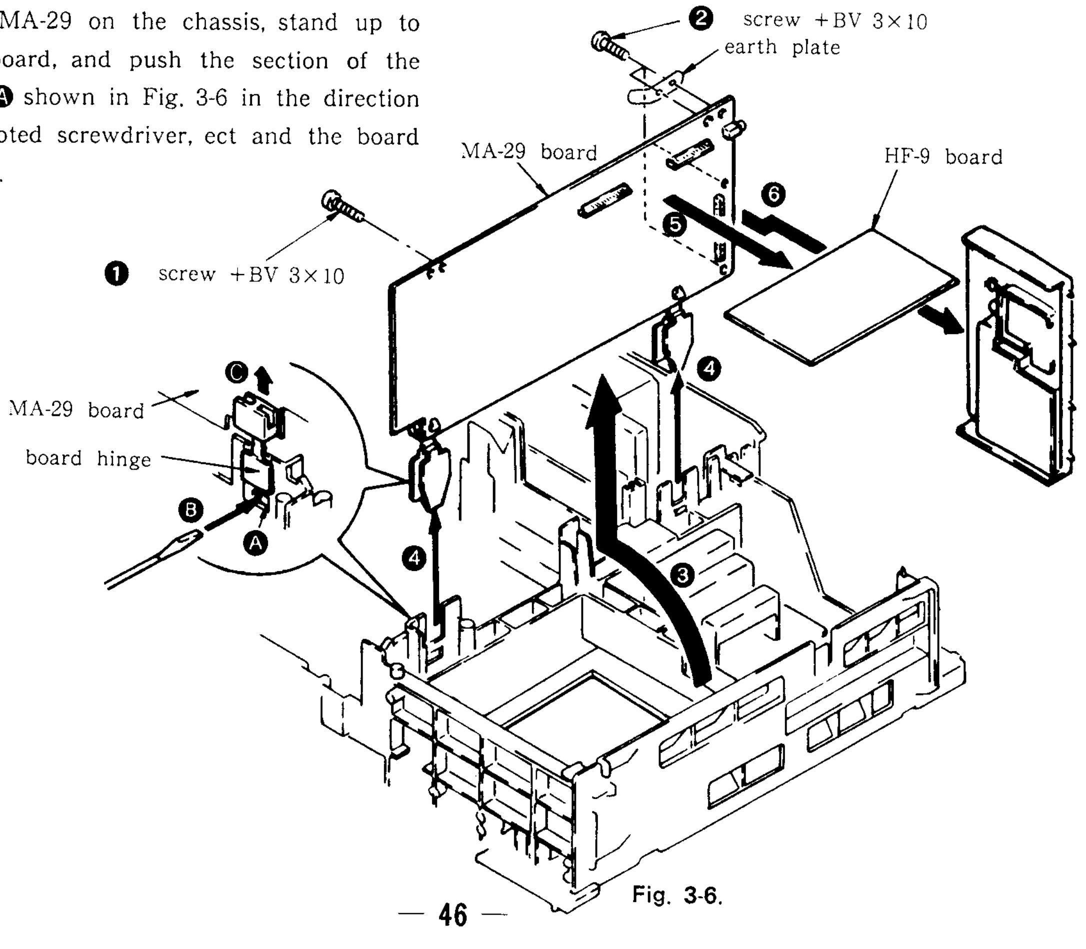
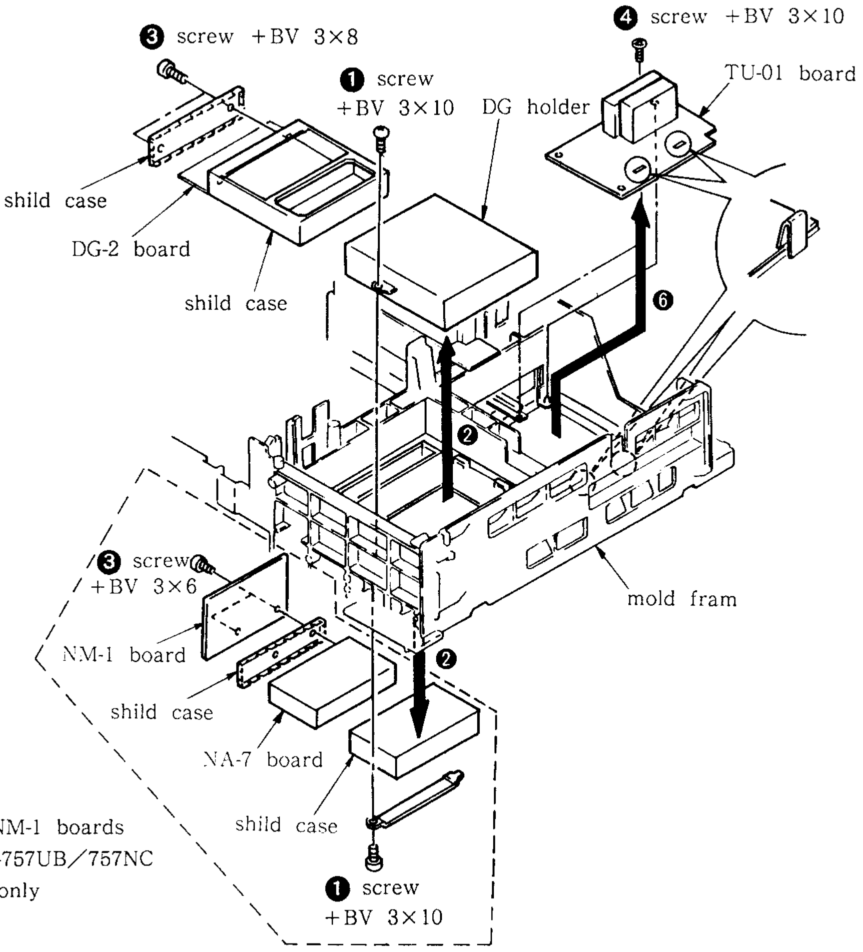

❷ screw +BV 3×10
earth plate
MA-29 board
HF-9 board
❻
❺
❶ screw +BV 3×10
Ⓒ
MA-29 board
board hinge
Ⓑ
Ⓐ
❹
❹
❸

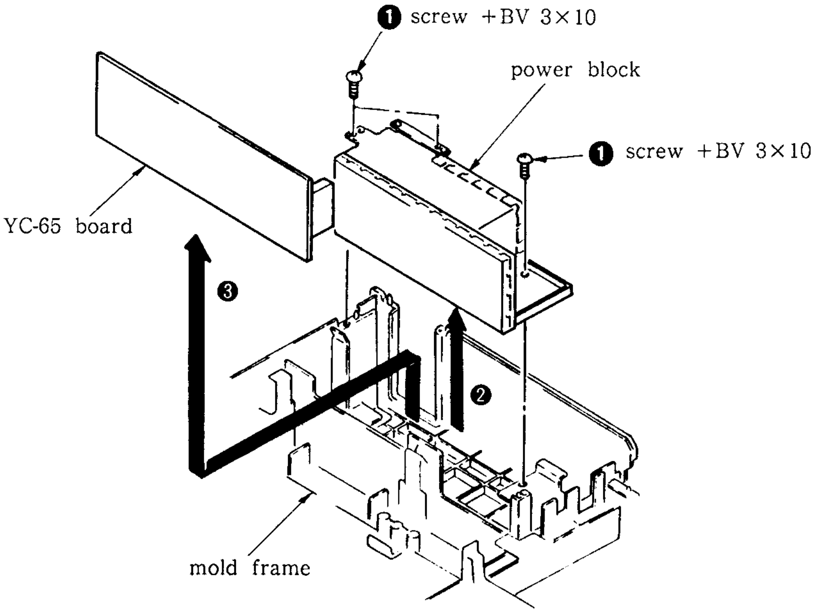
Fig. 3-6.

3-7. REMOVAL OF TU-01, DG-2 BOARDS


❸ screw +BV 3×8
❶ screw +BV 3×10
DG holder
❹ screw +BV 3×10
TU-01 board
shild case
DG-2 board
shild case
❻
❷
/❸ screw
/ +BV 3×6
mold fram
NM-1 board
❷
shild case
NA-7 board
shild case
❶ screw
+BV 3×10

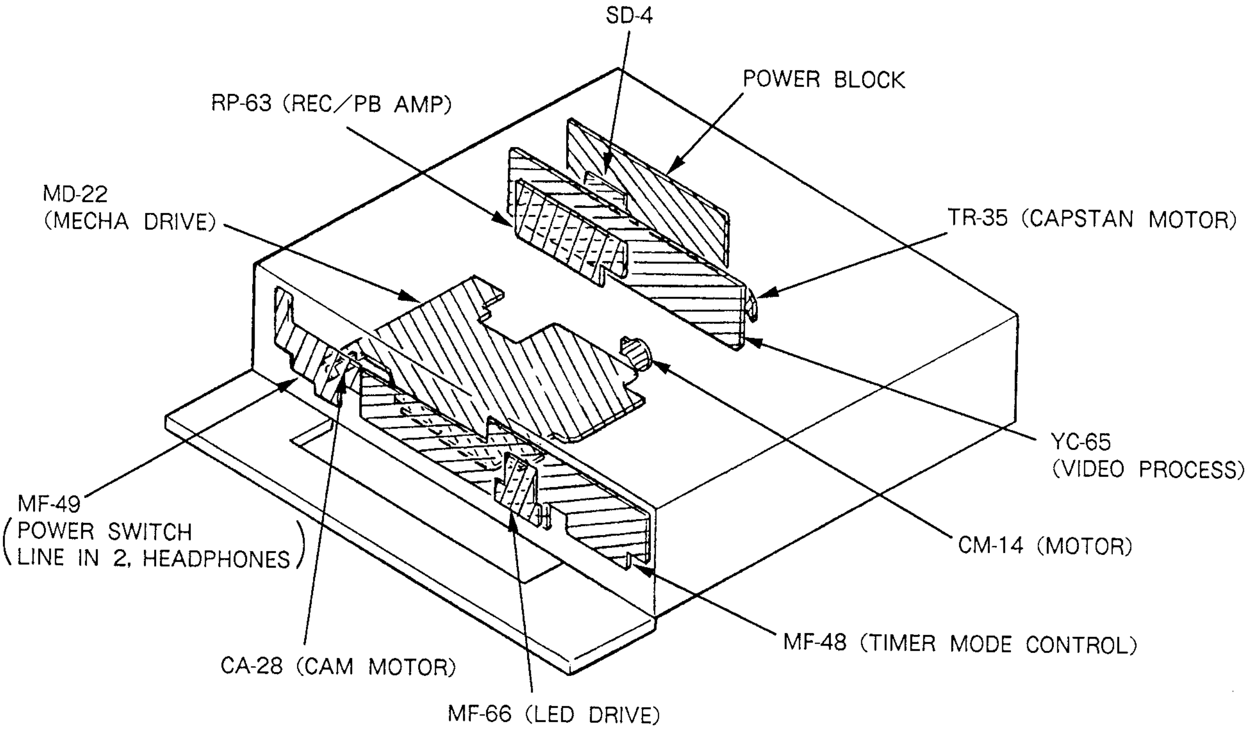
Note : NA-7, NM-1 boards
is SLV-757UB⁄757NC
model only

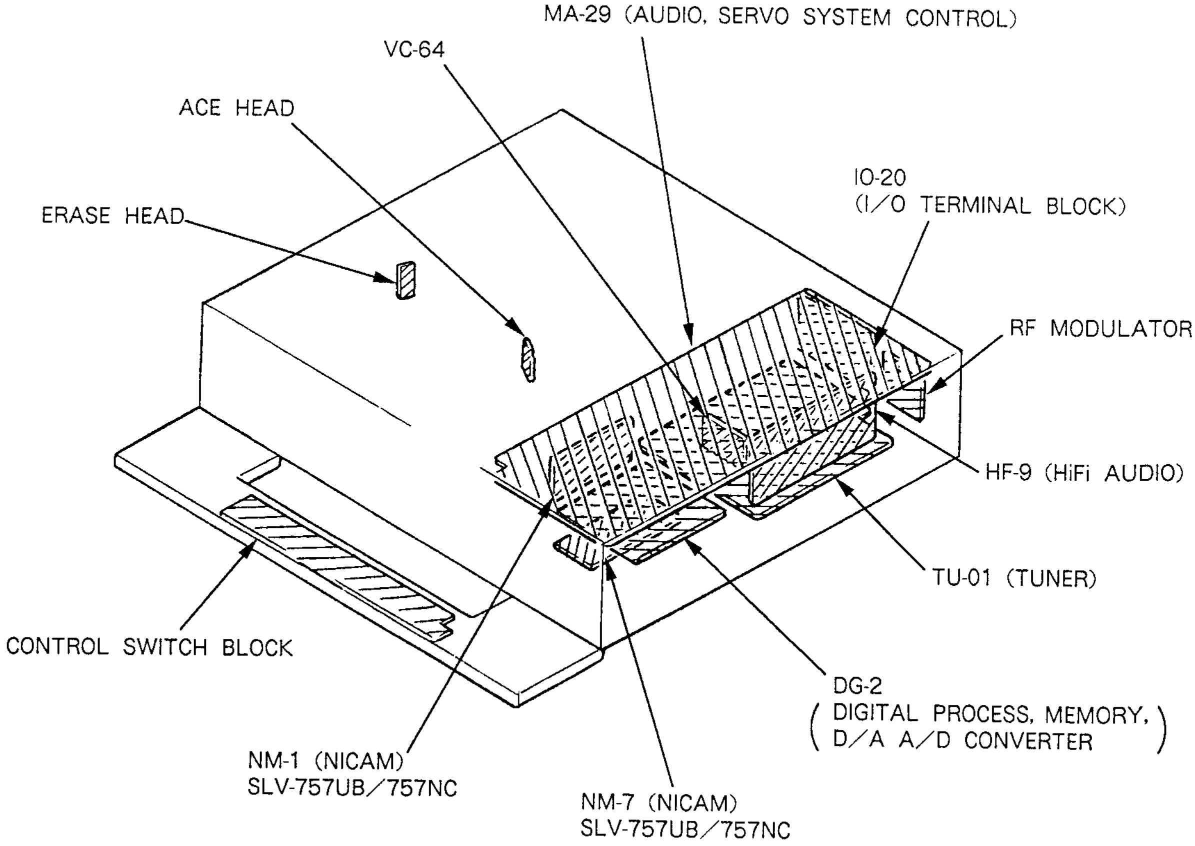
3-8. REMOVAL OF YC-65 BOARD AND POWER BLOCK


❶ screw +BV 3×10
power block
❶ screw +BV 3×10
YC-65 board
❸
❷
mold frame

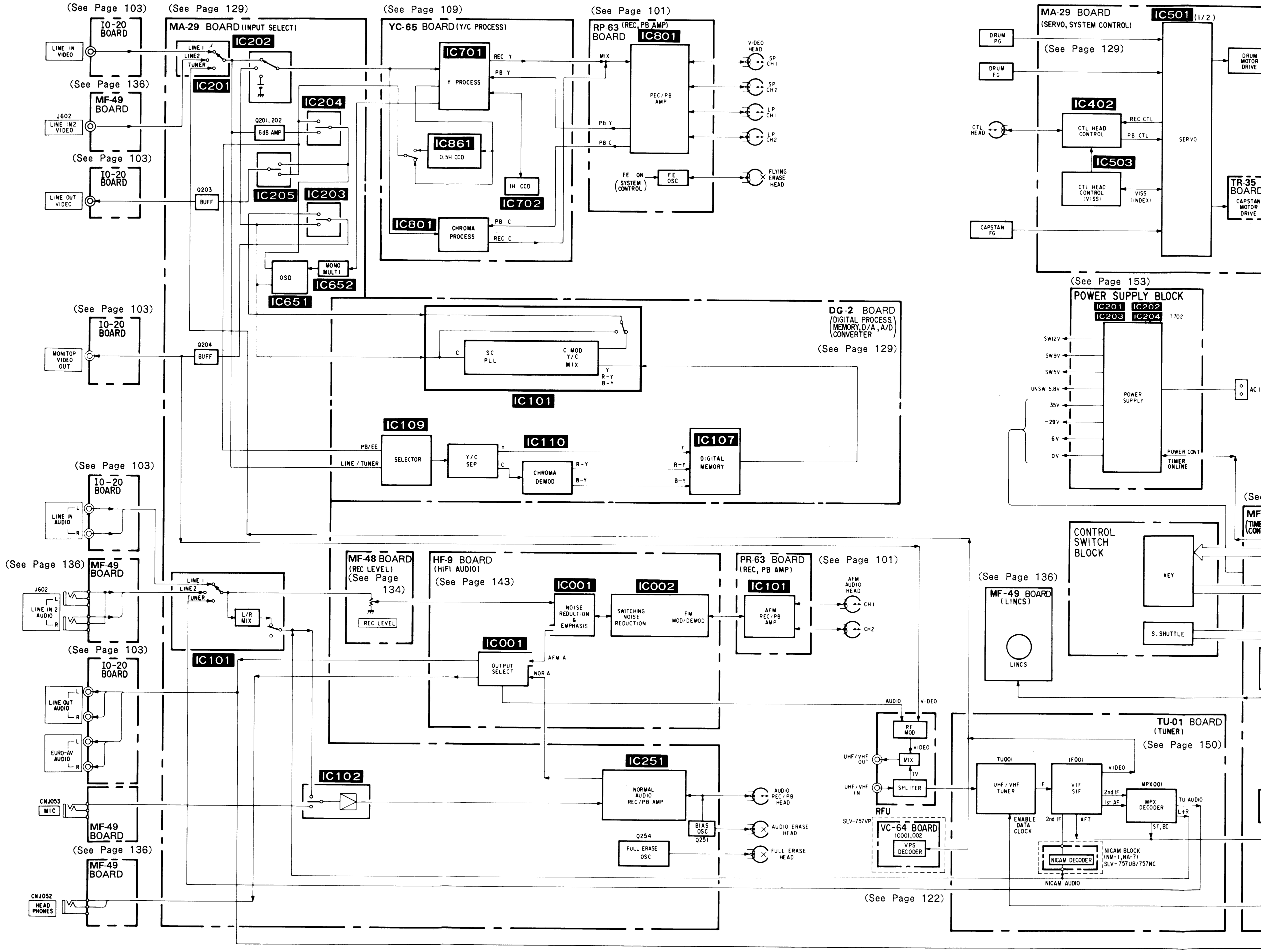
SECTION 4
DIAGRAMS

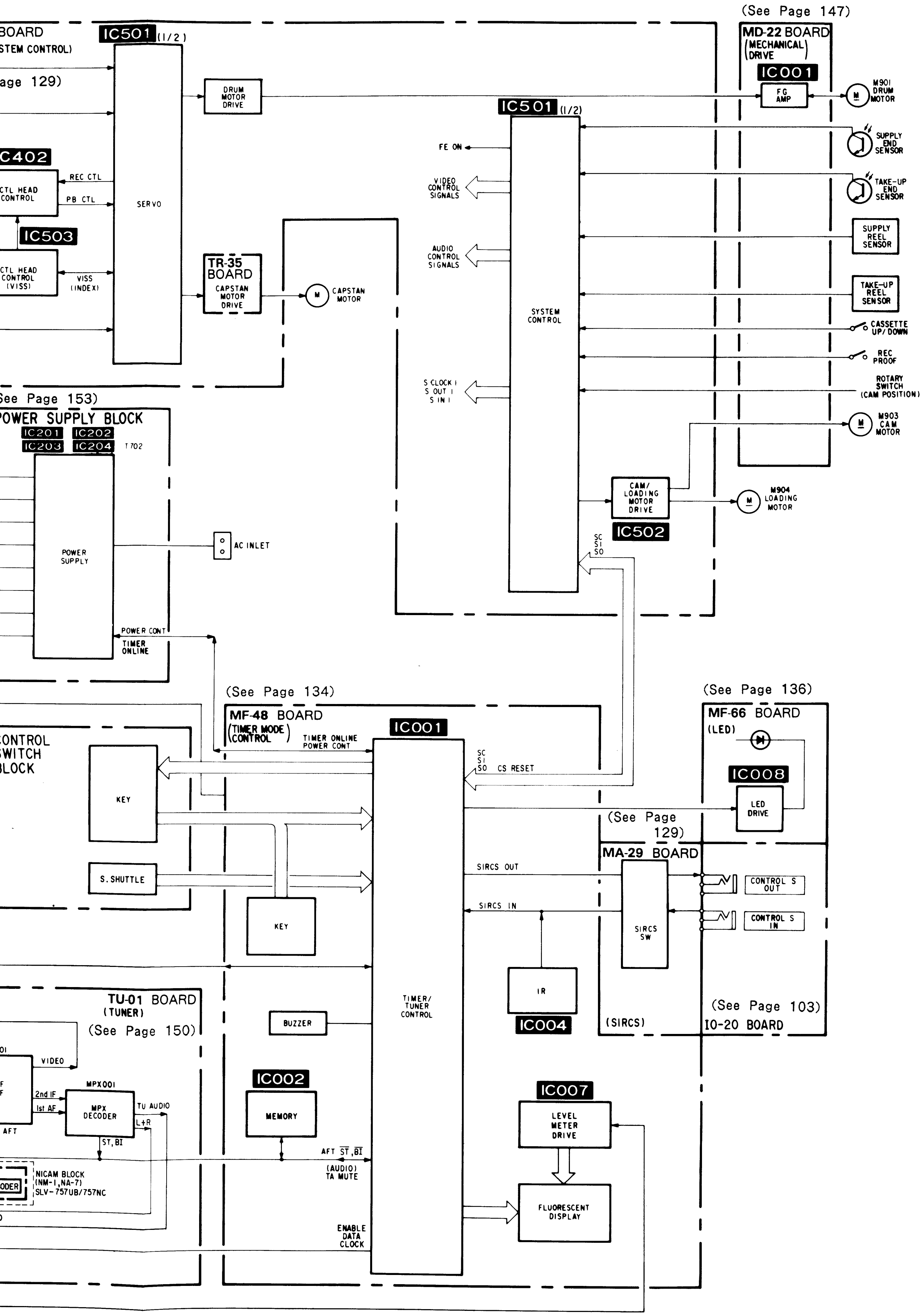
4-1. CIRCUIT BOARDS LOCATION


SD-4
POWER BLOCK
RP-63 (REC/PB AMP)
MD-22
(MECHA DRIVE)
TR-35 (CAPSTAN MOTOR)
YC-65
(VIDEO PROCESS)
MF-49
(POWER SWITCH
LINE IN 2, HEADPHONES)
CM-14 (MOTOR)
MF-48 (TIMER MODE CONTROL)
CA-28 (CAM MOTOR)
MF-66 (LED DRIVE)

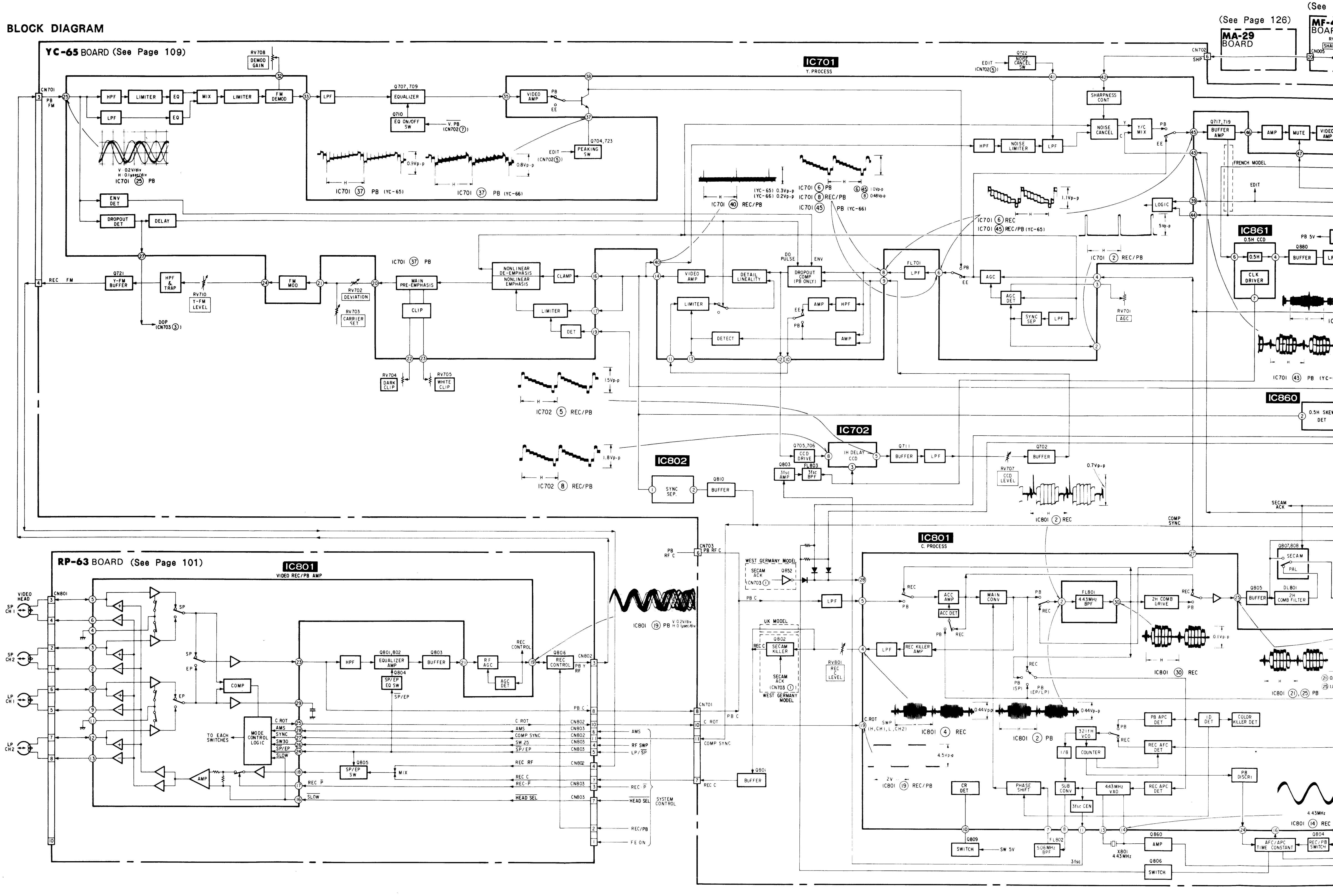

MA-29 (AUDIO, SERVO SYSTEM CONTROL)
VC-64
ACE HEAD
IO-20
(I/O TERMINAL BLOCK)
ERASE HEAD
RF MODULATOR
HF-9 (HiFi AUDIO)
TU-01 (TUNER)
CONTROL SWITCH BLOCK
DG-2
(DIGITAL PROCESS, MEMORY,
D/A A/D CONVERTER)
NM-1 (NICAM)
SLV-757UB/757NC
NM-7 (NICAM)
SLV-757UB/757NC

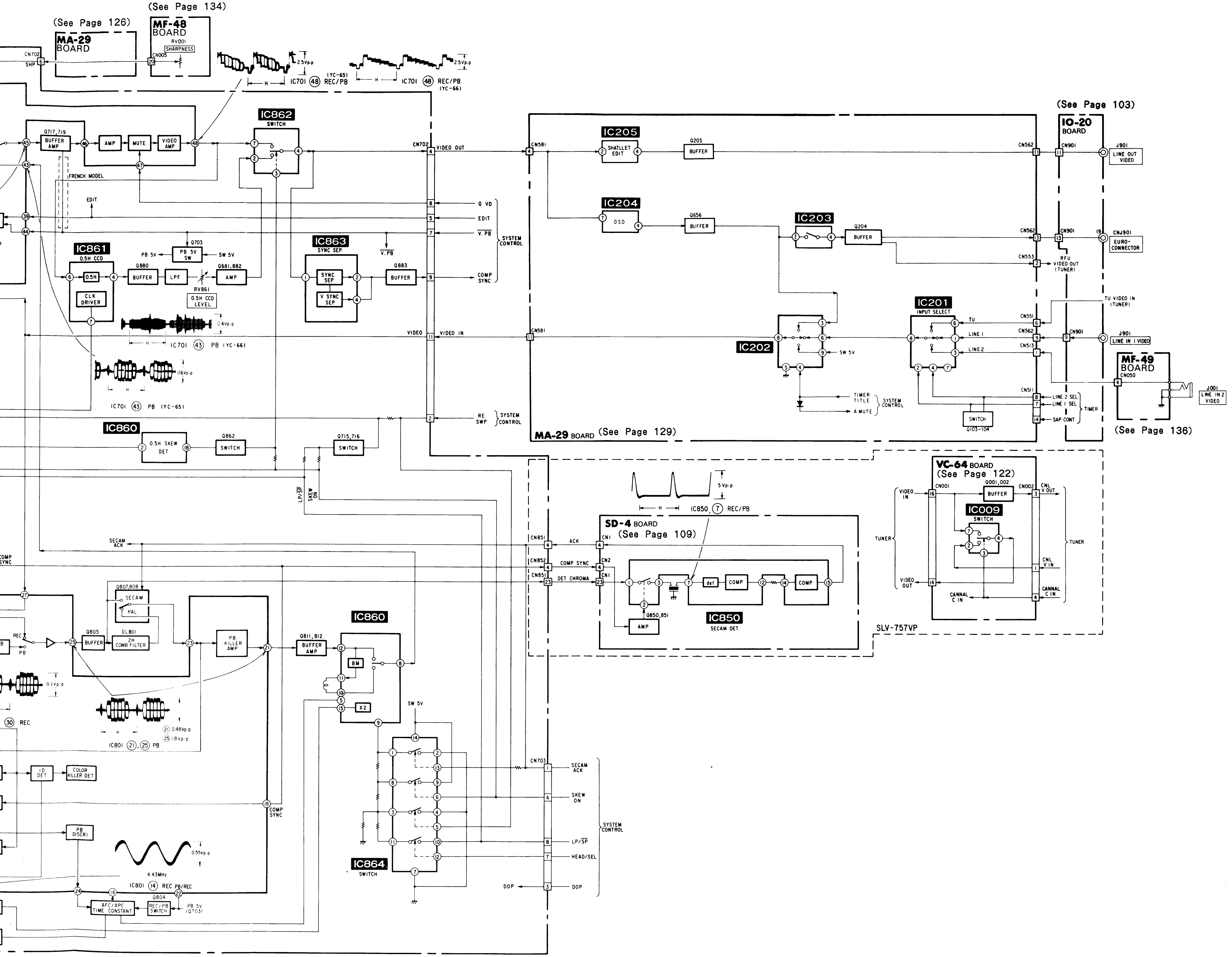
4-2. OVERALL BLOCK DIAGRAM


(See Page 103)
IO-20 BOARD
LINE IN VIDEO
(See Page 129)
MA-29 BOARD (INPUT SELECT)
LINE 1
LINE 2
TUNER
IC202
IC201
(See Page 136)
MF-49 BOARD
J602
LINE IN 2 VIDEO
IC204
Q201, 202
6dB AMP
(See Page 103)
IO-20 BOARD
LINE OUT VIDEO
Q203
BUFF
IC205
IC203
OSD
MONO MULTI
IC651
IC652
(See Page 109)
YC-65 BOARD (Y/C PROCESS)
IC701
Y PROCESS
REC Y
PB Y
IC861
0.5H CCD
1H CCD
IC702
IC801
CHROMA PROCESS
PB C
REC C
(See Page 101)
RP-63 (REC, PB AMP) BOARD
IC801
MIX
PB Y
PB C
PEC/PB AMP
VIDEO HEAD
SP CH1
SP CH2
LP CH1
LP CH2
FE ON
(SYSTEM CONTROL)
FE OSC
FLYING ERASE HEAD
MA-29 BOARD
(SERVO, SYSTEM CONTROL)
IC501 (1/2)
(See Page 129)
DRUM PG
DRUM FG
DRUM MOTOR DRIVE
IC402
CTL HEAD
CTL HEAD CONTROL
REC CTL
PB CTL
SERVO
IC503
CTL HEAD CONTROL (VISS)
VISS (INDEX)
TR-35 BOARD
CAPSTAN MOTOR DRIVE
CAPSTAN FG
(See Page 153)
POWER SUPPLY BLOCK
IC201
IC202
IC203
IC204
T702
SW12V
SW9V
SW5V
UNSW 5.8V
35V
-29V
6V
0V
POWER SUPPLY
POWER CONT
TIMER ONLINE
AC
(See Page 103)
IO-20 BOARD
MONITOR VIDEO OUT
Q204
BUFF
DG-2 BOARD
(DIGITAL PROCESS MEMORY, D/A, A/D CONVERTER)
(See Page 129)
C
SC PLL
C MOD Y/C MIX
Y
R-Y
B-Y
IC101
IC109
PB/EE
LINE / TUNER
SELECTOR
IC110
Y/C SEP
Y
C
CHROMA DEMOD
R-Y
B-Y
IC107
DIGITAL MEMORY
(See Page 103)
IO-20 BOARD
LINE IN AUDIO
L
R
(See Page 136)
MF-49 BOARD
J602
LINE IN 2 AUDIO
LINE 1
LINE 2
TUNER
L/R MIX
IC101
MF-48 BOARD (REC LEVEL)
(See Page 134)
REC LEVEL
HF-9 BOARD (HIFI AUDIO)
(See Page 143)
IC001
NOISE REDUCTION & EMPHASIS
IC002
SWITCHING NOISE REDUCTION
FM MOD/DEMOD
IC001
OUTPUT SELECT
AFM A
NOR A
PR-63 BOARD (REC, PB AMP)
(See Page 101)
IC101
AFM REC/PB AMP
AFM AUDIO HEAD
CH1
CH2
(See Page 103)
IO-20 BOARD
LINE OUT AUDIO
EURO-AV AUDIO
CNJ053
MIC
IC102
MF-49 BOARD
(See Page 136)
MF-49 BOARD
CNJ052
HEAD PHONES
IC251
NORMAL AUDIO REC/PB AMP
AUDIO REC/PB HEAD
BIAS OSC
Q251
AUDIO ERASE HEAD
Q254
FULL ERASE OSC
FULL ERASE HEAD
CONTROL SWITCH BLOCK
KEY
S.SHUTTLE
(See Page 136)
MF-49 BOARD (LINCS)
LINCS
AUDIO
VIDEO
RF MOD
VIDEO
MIX
TV
UHF/VHF OUT
UHF/VHF IN
SPLITER
RFU
SLV-757VP
VC-64 BOARD
IC001, 002
VPS DECODER
(See Page 122)
TU-01 BOARD (TUNER)
(See Page 150)
TU001
UHF/VHF TUNER
IF
IF001
VIF SIF
VIDEO
2nd IF
1st AF
MPX001
MPX DECODER
TU AUDIO
L+R
ST, BI
ENABLE DATA CLOCK
2nd IF
AFT
NICAM DECODER
NICAM BLOCK (NM-1, NA-7) SLV-757UB/757NC
NICAM AUDIO
(See

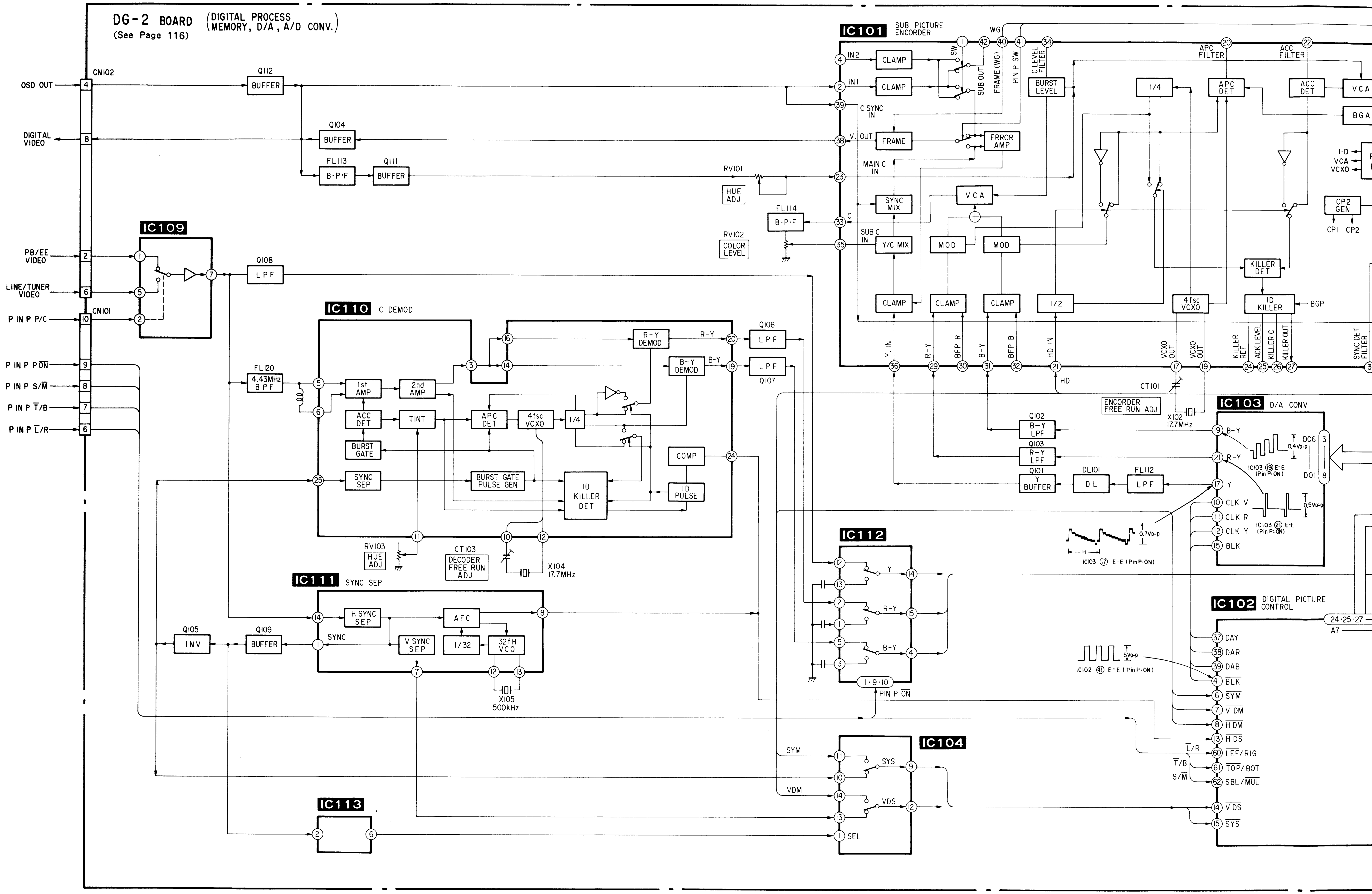

BOARD
STEM CONTROL)
age 129)
IC501 (1/2)
SERVO
DRUM MOTOR DRIVE
C402
REC CTL
CTL HEAD CONTROL
PB CTL
IC503
CTL HEAD CONTROL (VISS)
VISS (INDEX)
TR-35 BOARD
CAPSTAN MOTOR DRIVE
CAPSTAN MOTOR
(See Page 147)
MD-22 BOARD (MECHANICAL DRIVE)
IC001
FG AMP
M901 DRUM MOTOR
IC501 (1/2)
FE ON
VIDEO CONTROL SIGNALS
AUDIO CONTROL SIGNALS
SYSTEM CONTROL
S CLOCK I
S OUT I
S IN I
SUPPLY END SENSOR
TAKE-UP END SENSOR
SUPPLY REEL SENSOR
TAKE-UP REEL SENSOR
CASSETTE UP/DOWN
REC PROOF
ROTARY SWITCH (CAM POSITION)
M903 CAM MOTOR
CAM/LOADING MOTOR DRIVE
IC502
M904 LOADING MOTOR
SC
SI
SO
See Page 153)
POWER SUPPLY BLOCK
IC201
IC202
IC203
IC204
T702
POWER SUPPLY
AC INLET
POWER CONT
TIMER ONLINE
(See Page 134)
MF-48 BOARD (TIMER MODE CONTROL)
TIMER ONLINE
POWER CONT
IC001
SC
SI
SO
CS RESET
(See Page 136)
MF-66 BOARD (LED)
IC008
LED DRIVE
CONTROL SWITCH BLOCK
KEY
S.SHUTTLE
KEY
(See Page 129)
MA-29 BOARD
SIRCS OUT
SIRCS IN
SIRCS SW
CONTROL S OUT
CONTROL S IN
IR
IC004
(SIRCS)
(See Page 103)
IO-20 BOARD
TIMER/TUNER CONTROL
BUZZER
TU-01 BOARD (TUNER)
(See Page 150)
OI
VIDEO
F
F
2nd IF
1st AF
AFT
MPX001
MPX DECODER
TU AUDIO
L+R
ST,BI
IC002
MEMORY
AFT $\overline{ST}$,$\overline{BI}$
(AUDIO) TA MUTE
ENABLE DATA CLOCK
ODER
NICAM BLOCK (NM-1,NA-7) SLV-757UB/757NC
IC007
LEVEL METER DRIVE
FLUORESCENT DISPLAY

4-3. VIDEO BLOCK DIAGRAM

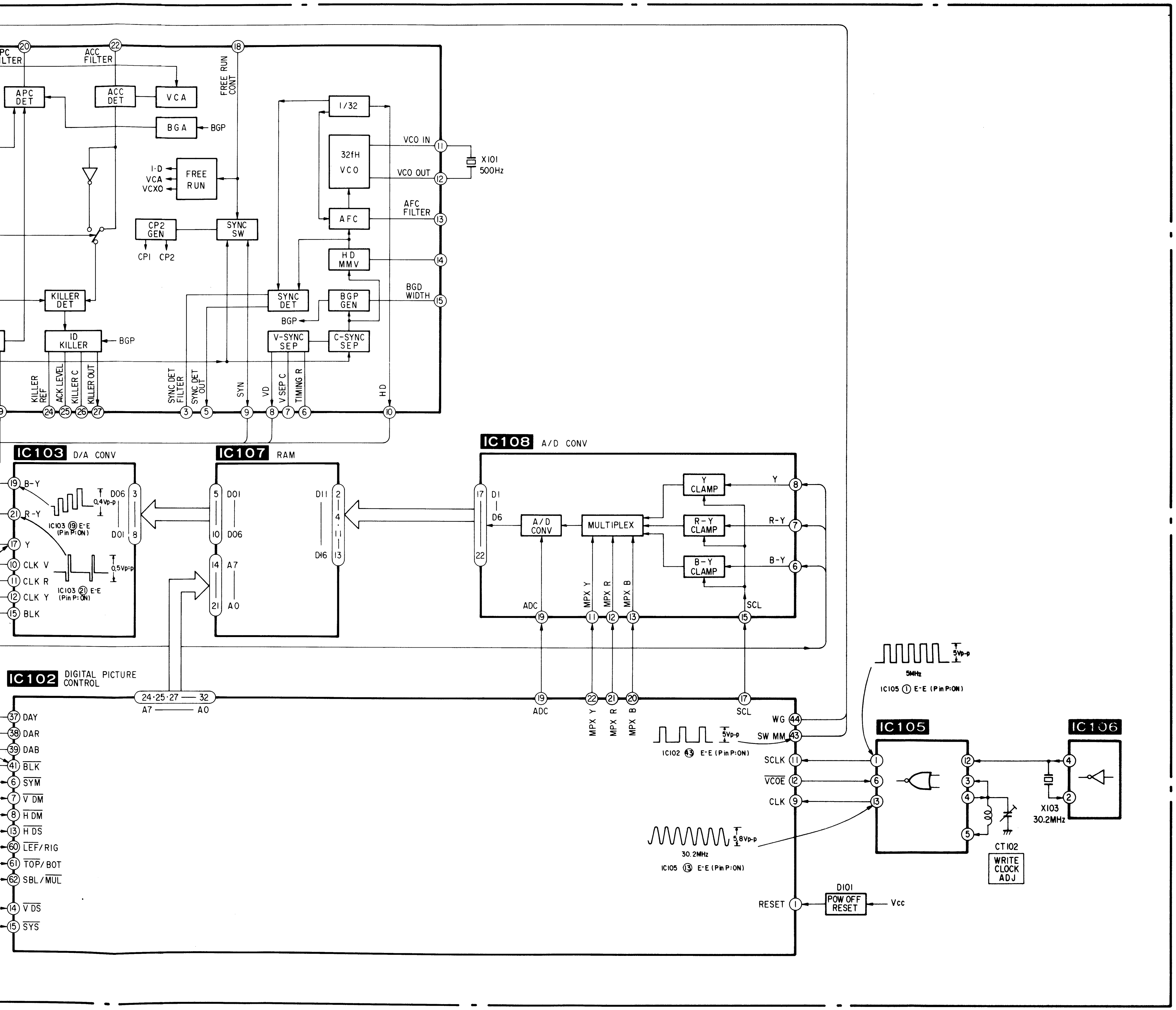

(See Page 126)
MA-29 BOARD
YC-65 BOARD (See Page 109)
RP-63 BOARD (See Page 101)
IC701 Y. PROCESS
IC702
IC802
IC801 C. PROCESS
IC801 VIDEO REC/PB AMP
IC861 0.5H CCD
IC860 0.5H SKEW DET
HPF
LIMITER
EQ
MIX
FM DEMOD
LPF
EQUALIZER
EQ ON/OFF SW
VIDEO AMP
PEAKING SW
NOISE CANCEL SW
SHARPNESS CONT
NOISE CANCEL
Y/C MIX
BUFFER AMP
AMP
MUTE
NOISE LIMITER
LOGIC
ENV DET
DROPOUT DET
DELAY
Y-FM BUFFER
HPF & TRAP
Y-FM LEVEL
DEVIATION
CARRIER SET
FM MOD
MAIN PRE-EMPHASIS
CLIP
DARK CLIP
WHITE CLIP
NONLINEAR DE-EMPHASIS
NONLINEAR EMPHASIS
CLAMP
DET
DETAIL LINEALITY
DROPOUT COMP (PB ONLY)
DETECT
AGC
AGC DET
SYNC SEP
CLK DRIVER
BUFFER
CCD DRIVE
1H DELAY CCD
3fsc AMP
3fsc BPF
CCD LEVEL
SYNC SEP.
DEMOD GAIN
IC701 (25) PB
IC701 (37) PB (YC-65)
IC701 (37) PB (YC-66)
IC701 (40) REC/PB
IC701 (6) PB
IC701 (8) REC/PB
IC701 (45) PB (YC-66)
IC701 (6) REC
IC701 (45) REC/PB (YC-65)
IC701 (2) REC/PB
IC701 (43) PB
IC702 (5) REC/PB
IC702 (8) REC/PB
IC801 (2) REC
IC801 (19) PB
IC801 (4) REC
IC801 (2) PB
IC801 (30) REC
IC801 (21), (25) PB
IC801 (19) REC/PB
IC801 (14) REC
VIDEO HEAD
SP CH1
SP CH2
LP CH1
LP CH2
COMP
MODE CONTROL LOGIC
TO EACH SWITCHES
SP/EP SW
EQUALIZER AMP
SP/EP EQ SW
RF AGC
AGC DET
REC CONTROL
C ROT
AMS
SYNC
SW30
SP/EP
SLOW
REC P
HEAD SEL
COMP SYNC
SW 25
REC RF
REC C
RF SWP
LP/SP
SYSTEM CONTROL
REC/PB
FE ON
WEST GERMANY MODEL
SECAM ACK
UK MODEL
SECAM KILLER
REC C LEVEL
ACC AMP
ACC DET
MAIN CONV
4.43MHz BPF
2H COMB DRIVE
2H COMB FILTER
SECAM
PAL
REC KILLER AMP
PB APC DET
ID DET
COLOR KILLER DET
321fH VCO
COUNTER
REC AFC DET
PB DISCRI
CR DET
PHASE SHIFT
SUB CONV
4.43MHz VXO
REC APC DET
3fsc CEN
5.06MHz BPF
AFC/APC TIME CONSTANT
REC/PB SWITCH
SWITCH
SW 5V
FRENCH MODEL
EDIT
COMP SYNC
SECAM ACK


(See Page 126)
MA-29 BOARD
(See Page 134)
MF-48 BOARD
RV001 SHARPNESS
CN702 SHP
CN005
2.5Vp-p
IC701 (48) REC/PB (YC-65)
IC701 (48) REC/PB (YC-66)
IC862 SWITCH
Q717,719 BUFFER AMP
AMP
MUTE
VIDEO AMP
FRENCH MODEL
EDIT
CN702 VIDEO OUT
Q VD
EDIT
V. PB
SYSTEM CONTROL
COMP SYNC
IC861 0.5H CCD
0.5H
CLK DRIVER
Q703 PB 5V SW
PB 5V
SW 5V
Q880 BUFFER
LPF
Q681,882 AMP
RV861 0.5H CCD LEVEL
0.4Vp-p
IC701 (43) PB (YC-66)
0.6Vp-p
IC701 (43) PB (YC-65)
IC863 SYNC SEP.
SYNC SEP
V SYNC SEP
V. PB
Q883 BUFFER
VIDEO
VIDEO IN
RE SWP
SYSTEM CONTROL
IC860 0.5H SKEW DET
Q862 SWITCH
Q715,716 SWITCH
LP/SP
SKEW ON
(See Page 103)
IO-20 BOARD
IC205 SHATLLET EDIT
Q203 BUFFER
CN581
CN562
CN901
J901 LINE OUT VIDEO
IC204 OSD
Q656 BUFFER
IC203
Q204 BUFFER
CN553
RFU VIDEO OUT (TUNER)
CNJ901 EURO-CONNECTOR
TU VIDEO IN (TUNER)
IC201 INPUT SELECT
TU
LINE 1
LINE 2
CN551
CN513
J901 LINE IN 1 VIDEO
IC202
SW 5V
MF-49 BOARD
CN050
J001 LINE IN 2 VIDEO
TIMER TITLE
A MUTE
SYSTEM CONTROL
CN511
LINE 2 SEL
LINE 1 SEL
SAP CONT
TIMER
SWITCH Q103-104
MA-29 BOARD (See Page 129)
(See Page 136)
5Vp-p
IC850 (7) REC/PB
SD-4 BOARD (See Page 109)
CN851 ACK
CN852 COMP SYNC
CN851 DET CHROMA
CN1
CN2
def
COMP
Q850,851 AMP
IC850 SECAM DET.
VC-64 BOARD (See Page 122)
CN001
Q001,002 BUFFER
CN002
VIDEO IN
CNL V.OUT
IC009 SWITCH
TUNER
VIDEO OUT
CNL V.IN
CANNAL C IN
SLV-757VP
SECAM ACK
COMP SYNC
Q807,808 SECAM PAL
REC PB
Q805 BUFFER
DL801 2H COMB FILTER
PB KILLER AMP
Q811,812 BUFFER AMP
IC860
BM
X2
SW 5V
0.1Vp-p
(30) REC
(21) 0.48Vp-p
(25) 1.8Vp-p
IC801 (21),(25) PB
ID DET
COLOR KILLER DET
COMP SYNC
PB DISCRI
0.55Vp-p
4.43MHz
IC801 (14) REC PB/REC
Q804 REC/PB SWITCH
AFC/APC TIME CONSTANT
PB 5V (Q703)
IC864 SWITCH
CN703
SECAM ACK
SKEW ON
LP/SP
HEAD/SEL
DOP
SYSTEM CONTROL

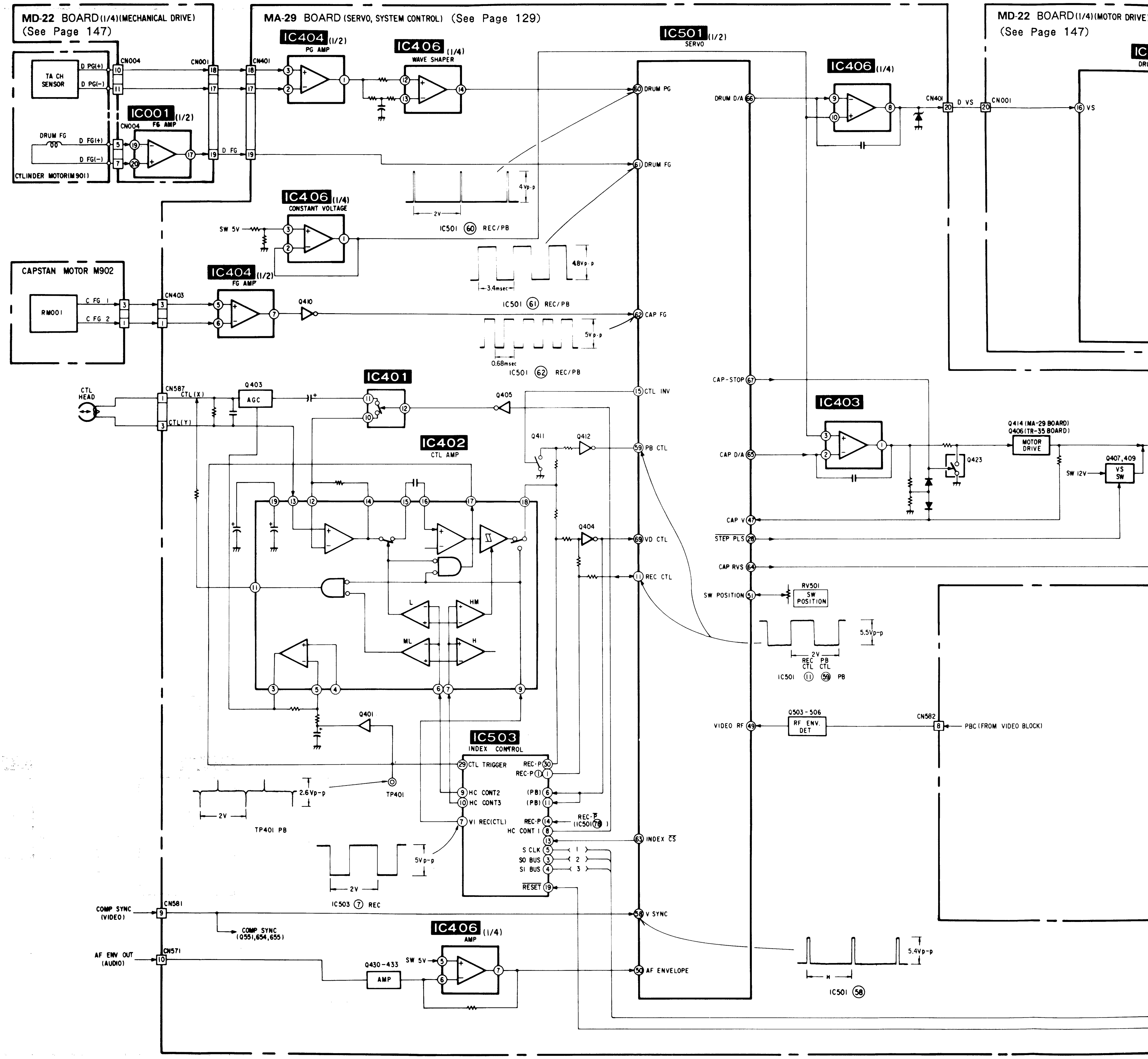
4-4. DIGITAL BLOCK DIAGRAM



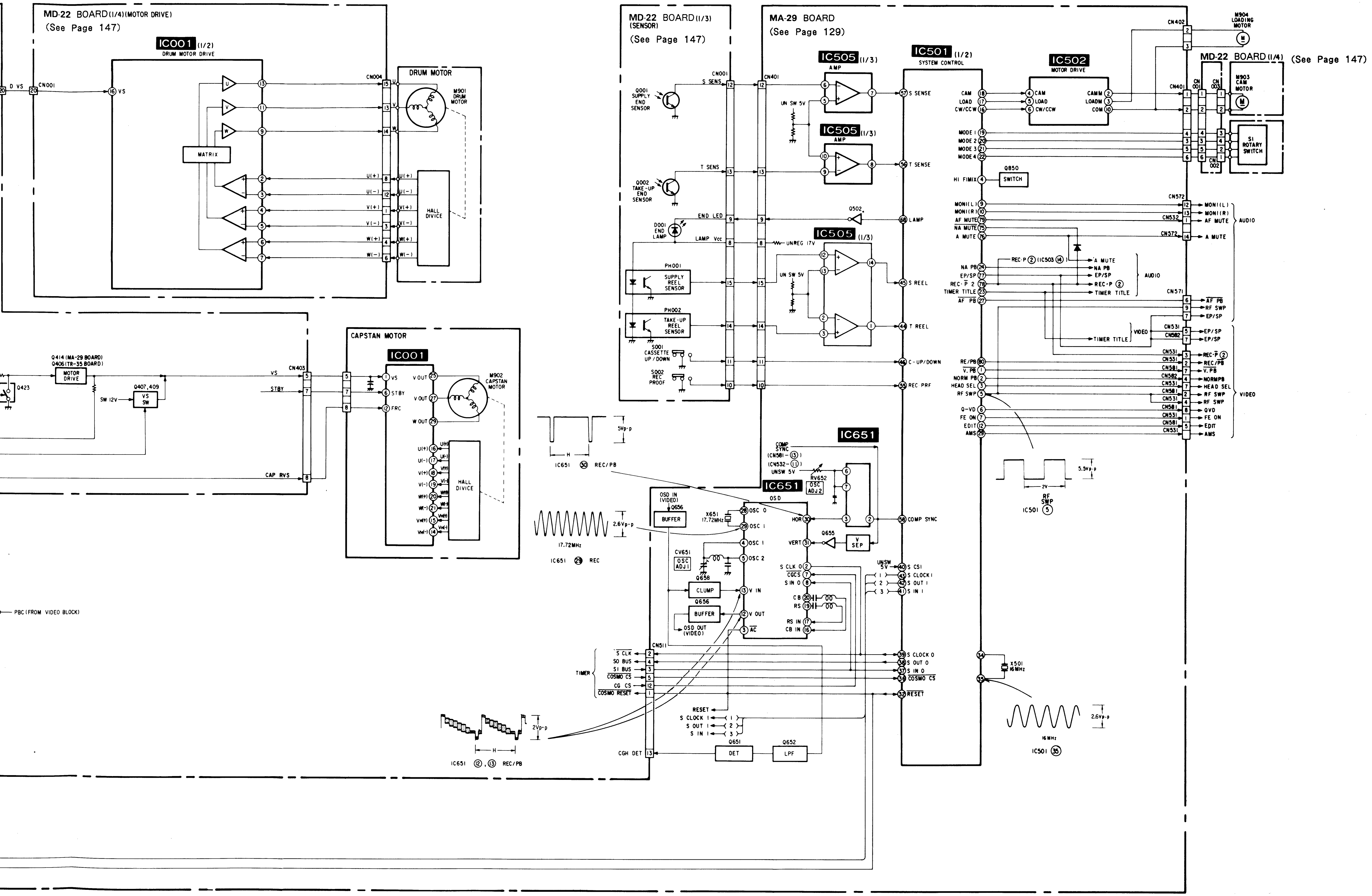
DG-2 BOARD (DIGITAL PROCESS MEMORY, D/A, A/D CONV.)
(See Page 116)
CN102
CN101
OSD OUT
DIGITAL VIDEO
PB/EE VIDEO
LINE/TUNER VIDEO
P IN P P/C
P IN P PON
P IN P S/M
P IN P T/B
P IN P L/R
Q112 BUFFER
Q104 BUFFER
FL113 B·P·F
Q111 BUFFER
IC109
Q108 LPF
IC110 C DEMOD
FL120 4.43MHz BPF
1st AMP
2nd AMP
ACC DET
TINT
BURST GATE
SYNC SEP
APC DET
4fsc VCXO
1/4
R-Y DEMOD
B-Y DEMOD
COMP
BURST GATE PULSE GEN
ID KILLER DET
ID PULSE
Q106 LPF
Q107 LPF
RV103 HUE ADJ
CT103 DECODER FREE RUN ADJ
X104 17.7MHz
IC111 SYNC SEP
H SYNC SEP
V SYNC SEP
AFC
1/32
32fH VCO
X105 500kHz
Q105 INV
Q109 BUFFER
IC113
IC101 SUB PICTURE ENCORDER
IN2
IN1
C SYNC IN
V. OUT
MAIN C IN
SUB C IN
CLAMP
FRAME
ERROR AMP
SYNC MIX
Y/C MIX
VCA
MOD
BURST LEVEL
1/2
SUB OUT
FRAME (WG)
PIN P SW
C LEVEL FILTER
WG
APC FILTER
ACC FILTER
APC DET
ACC DET
BGA
4fsc VCXO
KILLER DET
ID KILLER
BGP
CP2 GEN
CP1
CP2
I·D
Y. IN
R-Y
BFP R
B-Y
BFP B
HD IN
VCXO OUT
KILLER REF
ACK LEVEL
KILLER C
KILLER OUT
SYNC DET FILTER
HD
RV101 HUE ADJ
RV102 COLOR LEVEL
FL114 B·P·F
CT101
ENCORDER FREE RUN ADJ
X102 17.7MHz
Q102 B-Y LPF
Q103 R-Y LPF
Q101 Y BUFFER
DL101 DL
FL112 LPF
IC103 D/A CONV
CLK V
CLK R
CLK Y
BLK
D06
D01
0.4Vp-p
IC103 ⑲ E-E (Pin P:ON)
0.5Vp-p
IC103 ㉑ E-E (Pin P:ON)
0.7Vp-p
IC103 ⑰ E-E (PinP:ON)
IC112
PIN P ON
IC104
SYM
VDM
SYS
VDS
SEL
IC102 DIGITAL PICTURE CONTROL
24·25·27
A7
5Vp-p
IC102 ㊶ E-E (PinP:ON)
DAY
DAR
DAB
BLK
SYM
V DM
H DM
H DS
LEF/RIG
TOP/BOT
SBL/MUL
V DS
SYS
L/R
T/B
S/M


APC FILTER
ACC FILTER
FREE RUN CONT
APC DET
ACC DET
VCA
BGA
BGP
1/32
32fH VCO
VCO IN
VCO OUT
X101 500Hz
I·D
VCA
VCXO
FREE RUN
AFC
AFC FILTER
CP2 GEN
CP1 CP2
SYNC SW
HD MMV
SYNC DET
BGP GEN
BGD WIDTH
KILLER DET
ID KILLER
V-SYNC SEP
C-SYNC SEP
KILLER REF
ACK LEVEL
KILLER C
KILLER OUT
SYNC DET FILTER
SYNC DET OUT
SYN
VD
V SEP C
TIMING R
HD
IC103 D/A CONV
B-Y
R-Y
Y
CLK V
CLK R
CLK Y
BLK
D06
D01
0.4Vp-p
IC103 ⑲ E-E (Pin P:ON)
0.5Vp-p
IC103 ㉑ E-E (Pin P:ON)
IC107 RAM
D01
D06
A7
A0
D11
D16
IC108 A/D CONV
D1
D6
A/D CONV
MULTIPLEX
Y CLAMP
R-Y CLAMP
B-Y CLAMP
ADC
MPX Y
MPX R
MPX B
SCL
IC102 DIGITAL PICTURE CONTROL
24·25·27 — 32
A7 — A0
DAY
DAR
DAB
BLK
SYM
V DM
H DM
H DS
LEF/RIG
TOP/BOT
SBL/MUL
V DS
SYS
WG
SW MM
SCLK
VCOE
CLK
RESET
5Vp-p
IC102 ㊸ E-E (Pin P:ON)
5Vp-p
5MHz
IC105 ① E-E (Pin P:ON)
5.8Vp-p
30.2MHz
IC105 ⑬ E-E (Pin P:ON)
IC105
IC106
X103 30.2MHz
CT102 WRITE CLOCK ADJ
D101 POW OFF RESET
Vcc

4-5. SERVO, SYSTEM CONTROL BLOCK DIAGRAM



MD-22 BOARD (1/4)(MECHANICAL DRIVE)
(See Page 147)
MA-29 BOARD (SERVO, SYSTEM CONTROL) (See Page 129)
MD-22 BOARD (1/4)(MOTOR DRIVE)
(See Page 147)
TA CH SENSOR
D PG(+)
D PG(−)
CN004
CN001
CN401
IC001 (1/2)
FG AMP
DRUM FG
D FG(+)
D FG(−)
D FG
CYLINDER MOTOR (M901)
IC404 (1/2)
PG AMP
IC406 (1/4)
WAVE SHAPER
IC501 (1/2)
SERVO
DRUM PG
DRUM FG
DRUM D/A
IC406 (1/4)
D VS
VS
4Vp-p
2V
IC501 ⑥⓪ REC/PB
IC406 (1/4)
CONSTANT VOLTAGE
SW 5V
4.8Vp-p
3.4msec
IC501 ⑥① REC/PB
CAPSTAN MOTOR M902
RM001
C FG 1
C FG 2
CN403
IC404 (1/2)
FG AMP
Q410
CAP FG
5Vp-p
0.68msec
IC501 ⑥② REC/PB
CTL HEAD
CN587
CTL(X)
CTL(Y)
Q403
AGC
IC401
Q405
CTL INV
CAP-STOP
IC403
CAP D/A
Q423
Q414 (MA-29 BOARD)
Q406 (TR-35 BOARD)
MOTOR DRIVE
Q407,409
VS SW
SW 12V
Q411
Q412
PB CTL
IC402
CTL AMP
L
HM
ML
H
Q404
VD CTL
REC CTL
CAP V
STEP PLS
CAP RVS
SW POSITION
RV501
SW POSITION
5.5Vp-p
2V
REC CTL
PB CTL
IC501 ⑪ ⑤⑨ PB
Q401
VIDEO RF
Q503-506
RF ENV. DET
CN582
PBC (FROM VIDEO BLOCK)
IC503
INDEX CONTROL
CTL TRIGGER
HC CONT2
HC CONT3
VI REC(CTL)
REC·P
(PB)
REC·P (IC501 ⑦⑧)
HC CONT 1
S CLK
SO BUS
SI BUS
RESET
INDEX CS
TP401
2.6Vp-p
2V
TP401 PB
5Vp-p
2V
IC503 ⑦ REC
COMP SYNC (VIDEO)
CN581
COMP SYNC (Q551,654,655)
V SYNC
5.4Vp-p
H
IC501 ⑤⑧
AF ENV OUT (AUDIO)
CN571
Q430-433
AMP
IC406 (1/4)
AMP
SW 5V
AF ENVELOPE


MD-22 BOARD (1/4) (MOTOR DRIVE)
(See Page 147)
IC001 (1/2)
DRUM MOTOR DRIVE
D VS
CN001
VS
MATRIX
U
V
W
CN004
DRUM MOTOR
M901 DRUM MOTOR
U(+)
U(−)
V(+)
V(−)
W(+)
W(−)
HALL DIVICE
Q414 (MA-29 BOARD)
Q406 (TR-35 BOARD)
MOTOR DRIVE
Q423
SW 12V
Q407,409
VS SW
CN403
VS
STBY
CAP RVS
CAPSTAN MOTOR
IC001
FRC
V OUT
W OUT
M902 CAPSTAN MOTOR
PBC (FROM VIDEO BLOCK)
5Vp-p
H
IC651 (30) REC/PB
2.6Vp-p
17.72MHz
IC651 (29) REC
2Vp-p
IC651 (12), (13) REC/PB
MD-22 BOARD (1/3) (SENSOR)
(See Page 147)
Q001 SUPPLY END SENSOR
S SENS
Q002 TAKE-UP END SENSOR
T SENS
D001 END LAMP
END LED
LAMP Vcc
PH001 SUPPLY REEL SENSOR
PH002 TAKE-UP REEL SENSOR
S001 CASSETTE UP/DOWN
S002 REC PROOF
MA-29 BOARD
(See Page 129)
CN401
IC505 (1/3) AMP
UN SW 5V
UNREG 17V
Q502
IC501 (1/2) SYSTEM CONTROL
S SENSE
T SENSE
LAMP
S REEL
T REEL
C-UP/DOWN
REC PRF
COMP SYNC
S CS1
S CLOCK1
S OUT 1
S IN 1
S CLOCK 0
S OUT 0
S IN 0
COSMO CS
RESET
X501 16MHz
IC502 MOTOR DRIVE
CAM
LOAD
CW/CCW
CAMM
LOADM
COM
CN402
M904 LOADING MOTOR
MD-22 BOARD (1/4) (See Page 147)
CN001
CN003
CN002
M903 CAM MOTOR
S1 ROTARY SWITCH
MODE 1
MODE 2
MODE 3
MODE 4
HI FIMIX
Q850 SWITCH
CN572
MONI (L)
MONI (R)
AF MUTE
NA MUTE
A MUTE
CN532
AUDIO
NA PB
EP/SP
REC-P 2
TIMER TITLE
AF PB
REC-P (2) (IC503 (4))
CN571
RF SWP
VIDEO
CN531
CN582
CN581
RE/PB
V.PB
NORM PB
HEAD SEL
Q-VD
FE ON
EDIT
AMS
REC/PB
NORMPB
QVD
5.5Vp-p
2V
RF SWP
IC501 (5)
2.6Vp-p
16MHz
IC501 (35)
IC651
COMP SYNC (CN581-(13)) (CN532-(11))
UNSW 5V
RV652 OSC ADJ2
IC651 OSD
OSD IN (VIDEO)
Q656 BUFFER
X651 17.72MHz
OSC 0
OSC I
HOR
VERT
Q655
V SEP
CV651 OSC ADJ1
Q658 CLUMP
V IN
V OUT
AC
OSD OUT (VIDEO)
S CLK 0
CGCS
S IN 0
CB
RS
RS IN
CB IN
CN511
TIMER
S CLK
SO BUS
SI BUS
COSMO CS
CG CS
COSMO RESET
CGH DET
S CLOCK 1
S OUT 1
S IN 1
Q651 DET
Q652 LPF

4-6. SYSTEM CONTROL −VIDEO BLOCK INTERFACE (MA-29 BOARD IC501)

SIGNAL	PIN NO	I/O	STOP/ FF/REW	TAPE LOADING	TAPE UNLOADING	PB	PB • PAUSE	SLOW	×2	CUE	REVIEW	REC	REC • PAUSE	INSERT	INSERT • PAUSE
$\overline{\mathrm{V \cdot PB}}$	IC501 PIN①	O	H	H	H	L	L	L	L	L	L	H	H	H *13	H *13
HEAD SEL	IC501 PIN③	O	L	L	L	L	H	*1	H	L	L	L	L	L	L *14
RF SW P (SW30)	IC501 PIN⑤	O	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
Q VD/V MUTE	IC501 PIN⑥	O	L	L	L	*3	*4	*4	*4	*4	*4	L	L	L	L (AUDIO INSERT • PLAY) *4
FE ON	IC501 PIN⑦	O	L	L	L	L	L	L	L	L	L	*5	L	H *15	H
EDIT	IC501 PIN⑫	O	L	L	L	*6	*6	*6	*6	*6	*6	*6	L	*6	L
AMS	IC501 PIN㉙	O	L	L	L	L	L	L *12	L	*7	*7	L	L	L	L
$\overline{\mathrm{SP}}$/LP	IC501 PIN(77)	O	*8	*8	*8	*9	*9	*9	L	L	L	*8	*8	*9	*9
REC • P	IC501 PIN(78)	O	L	L	L	L	L	L	L	L	L	H	L	H	L
REC	IC501 PIN(80)	O	L	L	L	L	L	L	L	L	L	H	H	H	H
V SYNC	IC501 PIN(58)	I	*10	*10	*10	*10	*10	*10	*10	*10	*10	*10	*10	*10	*10
TIMER TITLE*11 /S • EDIT	IC501 PIN㉓	O	L	L	L	L	L	L	L	L	L	L	L	L	L
VIDEO RF	IC501 PIN㊾	I	VIDEO RF ENVELOPE FOR AUTO TRACKING												

*1. TAPE STOP "H"
TAPE START (40mSEC) "L"

*2. 25Hz 50% DUTY PLUSE RF SYNCHRONIZING ROTATION DRAM

*3. NORMALLY "L" NOT PLAYBACK CTL SIGNAL "H"

*4. 1V PERIOD "H" PULSE

*5. RECORD START BETWEEN SP7SEC, LP14SEC "H"

*6. NORMALLY "L" EDIT MODE "H"

*7. SP MODE MI Z (2.5V) LP MODE "L"

*8. SP/LP SELECT SP MODE "L" LP MODE "H"

*9. ACCORDING TO RECORDE MODE OF TAPE
SP MODE "L" LP MODE "H"

*10. POSITIVE COMPOUND SYNCHRONIZING SIGNAL

*11. TIMER RECORDE START (3SEC) "H"
EDIT SHUTTELE "H"
PLAYBACK BY EDIT MONITER "H"

*12. SP OF NEGATIVE SLOW*1

*13. PAUSE OF AUDIO INSERT "L"

*14. PAUSE OF AUDIO INSERT "H"

*15 AUDIO INSERT "L"

4-7. SYSTEM CONTROL –SERVO PERIPHERL CIRCUIT INTERFACE (MA-29 BOARD IC501)

SIGNAL	PIN NO	I/O	STOP	FF	REW	TAPE LOADING	TAPE UNLOADING	PB	PB・PAUSE	SLOW	×2	CUE	REVIEW	REC	REC・PAUSE	INSERT	INSERT・PAUSE
REC CTL∗1	IC501 PIN ⑪	O															
CAP STOP	IC501 PIN (67)	O	H	L	L	L	L	L	H	H	L	L	L	L	H	L	H
$\overline{\text{STEP PLS}}$	IC501 PIN ㉘	O	H	H	H	H	H	H	H	∗2	H	H	H	H	H	H	H
CAP V∗3	IC501 PIN ㊼	I															
SW POSITION∗6	IC501 PIN (51)	I															
PB CTL VD CTL	IC501 PIN (59) IC501 PIN (69)	I	H/L	∗8	∗8			∗1	H/L	∗2 ∗17	∗8	∗8	∗8	∗1	H/L	∗1	H/L
DRUM PG	IC501 PIN (60)	I	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9	∗9
DRUM FG	IC501 PIN (61)	I	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10	∗10
CAP FG	IC501 PIN (62)	I	H/L	∗8	∗8	∗7	∗7	∗8	H/L	∗11	∗8	∗8	∗8	∗8	H/L	∗8	H/L
INDEX $\overline{\text{CS}}$	IC501 PIN (63)	O	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12	∗12
CAP RVS	IC501 PIN (64)	O	H	H	L	H	L	H	H	∗2	H	H	L	H	H	H	H
CAP DA∗16	IC501 PIN (65)	O	∗13	L	L	∗13	∗13	∗14	∗13	∗13	∗14	∗14	∗14	∗14	∗13	∗14	∗13
DRUM DA∗16	IC501 PIN (66)	O	∗15	∗15	∗15			∗15	∗15	∗15	∗15	∗15	∗15	∗15	∗15	∗15	∗15
REC・$\overline{\text{P}}$	IC501 PIN (78)	O	L	L	L	L	L	L	L	L	L	L	L	H	L	H	L
CTL・INV	IC501 PIN ⑮	O	L	L	L	L	L	L ∗18	L	L ∗18	L ∗18	L	H	L	L	L	L

∗1. 25Hz PULSE
∗2. TAPE RUN "L" PULSE
∗3. INPUT TERMINAL OF CAPSTAN REGULATE DRIVER
FOR USE FF/REW CASSETTE RODING/UN RODING
∗6. INPUT TERMINAL OF SWITCHING POSITION ADJUSTMENT
∗7. CHANGEABLE CYCLE PULSE
∗8. PULSES IN PROPORTION TO CYCLE OF THE TAPE SPEED
∗9. 25Hz "H" PULSE
∗10. 300Hz PULSE
∗11. TAPE RUN PULSE
∗12. 1V PERIOD "L" PULSE
∗13. 2mSEC PERIOD "H" OR "L" PULSE
∗14. 1.5mSEC PERIOD "H" OR "L" PULSE
∗15. 3mSEC PERIOD "H" OR "L" PULSE
∗16. SIGNAL (TRI-STATE) OF "H", "L" AND HIZ (2.5VDC)
∗17. NORMALLY PHASE OF PB・CTL NEGATIVE PHASE OF VD・CTL
IN REVERSE SLOW OPERATION
REVERSE×1
REVERSE×2
∗18. REVERSE PB, SLOW, TWICE SPEED "H"

4-8. SYSTEM CONTROL –MECHANISM BLOCK INTERFACE (MA-29 BOARD IC501)

SIGNAL	PIN NO	I/O	SPEED REW	EJECTED	CASSETTE LOADING	CASSETTE UNLOADING	TAPE LOADING	TAPE UNLOADING	STOP	FF	REW	PB	PB PAUSE	SLOW	×2	CUE	REVIEW	REC	REC PAUSE
CAM*1	IC501 PIN ⑱	O	L	L	L	L	H	H	L	L	L	L	L	L	L	L	L	L	L
LOAD	IC501 PIN ⑰	O	L	L	H	H	L	L	L	L	L	L	L	L	L	L	L	L	L
CW/CCW	IC501 PIN ⑯	O			H	L	H	L											
MODE 1	IC501 PIN ⑲	I	H	L	L	L	H	H	L	H	H	H	L	L	H	H	H	H	L
MODE 2	IC501 PIN ⑳	I	L	H	H	H	H	H	L	L	L	L	H	H	L	L	L	L	H
MODE 3	IC501 PIN ㉑	I	H	H	H	H	L	L	L	L	L	H	H	H	H	H	L	H	H
MODE 4	IC501 PIN ㉒	I	H	H	H	H	H	H	L	H	H	L	L	L	L	L	L	L	L
REC PRF/C-ON	IC501 PIN (55)	I	*2	L	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2	*2
C UP/DOWN	IC501 PIN ㊻	I	L	H	H→L	H→L	L	L	L	L	L	L	L	L	L	L	L	L	L
T REEL	IC501 PIN ㊹	I	*3	H/L	H/L	H/L	H/L	H/L	H/L	*3	*3	*3	H/L	*3	*3	*3	*3	*3	H/L
S REEL	IC501 PIN ㊺	I	*3	H/L	H/L	H/L	*3	*3	H/L	*3	*3	*3	H/L	*3	*3	*3	*3	*3	H/L
LAMP	IC501 PIN (68)	O	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4	*4
$\overline{\text{DEW}}$	IC501 PIN (70)	I	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5	*5
CAP V	IC501 PIN ㊼	I	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6	*6
CAPSTOP	IC501 PIN (67)	O	L	H	H	H	L	L	H	L	L	L	H	H	L	L	L	L	H
CAPRVS	IC501 PIN (64)	O	H	H/L	H/L	H/L	L	H	H/L	L	H	L *9	L *9	L *9	L *9	L	H	L	L
CAPDA*8	IC501 PIN (65)	O																	
T SENS	IC501 PIN (56)	I	*7	*4	*4	*4	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7
S SENS	IC501 PIN (57)	I	*7	*4	*4	*4	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7	*7

*1. CHANGING MEMO CARD "H"
*2. WHEN RECORDING POSSIBLE CASSETTE IS LOADED "H"
WHEN RECORDING INHIBITING CASSETTE IS LOADED "L"
*3. PULSE IN PROPORTION TO GENERATED BY REEL ROTATION CYCLE
*4. 2mSEC PERIOD "H" PULSE
*5. NORMALLY "H"
*6. INPUT TERMINAL OF CAPSTAN REGULATE DRIVER
FOR USE FF/REW, CASSETTE ROADING/UN ROADING
*7. NORMALLY "L"DETECT FOR 2mSEC PERIOD "H"PULSE
ON TAPE TOP AND TAPE END
*8. SIGNAL (TRI-STATE) OF "H", "L" AND HIZ (2.5V)
*9. REVERSE PB, PB PLAY, SLOW, TWICE SPEED "H"

4-9. SYSTEM CONTROL −SYSTEM CONTROL PERIPHERL CIRCUIT INTERFACE (MA-29 BOARD IC501)

SIGNAL	PIN NO	I/O	I/O LEVEL
$\overline{\text{RESET}}$	IC501 PIN ㉜	I	NORMALLY "H" DETECT OF POWER STOP AND POWER ON "L"
$\overline{\text{S CS}}$ 0	IC501 PIN ㊱	I	TIP SELECT SIGNAL 1V PERIOD "L" PULSE FROM IC001 IN MF-48 BOARD
S IN 0	IC501 PIN ㊲	I	SERIAL COMMUNICATION DATA 1V PERIOD "L" PULSE
S OUT 0	IC501 PIN ㊳	O	SERIAL COMMUNICATION DATA 1V PERIOD "L" PULSE
S CLK 0	IC501 PIN ㊴	I/O	SERIAL COMMUNICATION DATA 1V PERIOD "L" PULSE
$\overline{\text{S CS}}$ 1	IC501 PIN ㊵	I	NOT USE
S IN 1	IC501 PIN ㊶	I	SERIAL. COMMUNICATION DATA 1V PERIOD "L" PULSE FROM INDEX IC
S OUT 1	IC501 PIN ㊷	O	SERIAL COMMUNICATION DATA 1V PERIOD "L" PULSE TO INDEX IC
S CLK 1	IC501 PIN ㊸	I/O	SERIAL COMMUNICATION DATA 1V PERIOD "L" PULSE TO INDEX IC
INDEX $\overline{\text{CS}}$	IC501 PIN (63)	O	TIP SELECT SIGNAL 1V PERIOD "L" PULSE TO INDEX IC

4-10. SYSTEM CONTROL −AUDIO BLOCK INTERFACE (MA-29 BOARD IC501)

SIGNAL	PIN NO	I/O	STOP/ FF/REW	TAPE LOADING	TAPE UNLOADING	PB	PB・PAUSE	SLOW	×2	CUE	REVIEW	REC	REC・PAUSE	INSERT	INSERT・PAUSE
$\overline{\text{AF・PB}}$	IC501 PIN ㉗	O	H	H	H	L	L	L	L	L	L	H	H	H *4	H *4
AF ENVELOP	IC501 PIN ㊿	I				*8									
AF MUTE	IC501 PIN (75)	O	H	H	H	H	H	H	H	H	H	L	L	L *11	L *11
A MUTE	IC501 PIN (76)	O	L	L	L	*1	H	H	H	H	H	L	L	L	L
$\overline{\text{SP}}$/LP	IC501 PIN (77)	O	*2	*2	*2	*3	*3	*3	L	L	L	*2	*2	*3	*3
REC・P	IC501 PIN (78)	O	L	L	L	L	L	L	L	L	L	H	L	H	L
NA・PB	IC501 PIN ㉔	O	L	L	L	H	H	H	H	H	H	L	L	L *9	L *9
$\overline{\text{NA-MUTE}}$	IC501 PIN (75)	O	H	H	H	H	H	H	H	H	H	H	H	H *10	H *10
$\overline{\text{FULL・ERASE}}$	IC501 PIN ㉚	O	H	H	H	H	H	H	H	H	H	L	H	H	H
$\overline{\text{HiFi MIX}}$	IC501 PIN ④	O	*12												

*1. NOT PLAYBACK CTL SIGNAL "H"
*2. SP/LP SELECT SP MODE "L" LP MODE "H"
*3. SP MODE "L" LP MODE "H" IN REC MODE
*4. PAUSE OF AUDIO INSERT "L"
*8. HiFi ENVELOPE SIGNAL FOR AUTO TRACKING

*9. INSERT V "H"
*10. INSERT V "L"
*11. INSERT A "H"
*12. HiFi MIXING "L"

4-11. DIGITAL INTERFACE (MA-29 BOARD IC501)

SIGNAL	PIN NO	I/O	I/O LEVEL
PinP $\overline{\text{ON}}$	IC501 PIN ㉕	O	PinP MODE ON
PinP PC	IC501 PIN ㉖	O	PinP MAIN SUB SELECT
PinP $\overline{\text{L}}$/R	IC501 PIN ⑧	O	PinP MOVE TO LEFT AND RIGHT
PinP T/B	IC501 PIN ⑬	O	PinP MOVE TO UP AND DOWN
PinP S/$\overline{\text{M}}$	IC501 PIN ⑭	O	EDIT MONITER "L" PinP "H"

4-12. MODE CONTROL MICRO COMPUTER MB89793B (MF-48 BOARD IC001)

PIN NO	SIGNAL	I/O	DATA	EXPLANATION
1	A/D 1	I	KEY IN	8 DEVIDE READ INTO 7 KEY
2	A/D 2	I	KEY IN	8 DEVIDE READ INTO 7 KEY
3	A/D 3	I	KEY IN	8 DEVIDE READ INTO 7 KEY
4	A/D 4	I	KEY IN	8 DEVIDE READ INTO 7 KEY
5	A/D 5	I	LEVEL	SLV-757/ 757VP/ 757NC/ 757UB SYSTEM SENS
6	A/D 6	I	ANALOG AFT	COMPRESTAND TO AFT UP OR DOWN BY TUNING
7	A/D 7	I	SHUTTLE DIAL	CONNECT OF CENTER REDUCE VOLUME RIGHT TURN NORMAL DIRECTION LEFT TURN REVERSE DIRECTION
9	CONT	O	BUZZER OUT	32.768kHz OF 8 DEVIDE FREQUENCY (4.096kHz) REF CLOCK ADJ OUTPUT
10	CL0	I	CLOCK TIMER	REF CLOCK TIMER (32.768kHz)
11	CL1	O	CLOCK TIMER	REF CLOCK TIMER (32.768kHz)
12	MOD	I	5V	+5V
13	X0	I	SYSTEM CLOCK	SYSTEM CLOCK (8MHz)
14	X1	O	SYSTEM CLOCK	SYSTEM CLOCK (8MHz)
15	VSS		0V	0V
16	RST X	I/O	RESET	RESET IN
17	P00	O	E CS	EEP ROM TIP SELECT SIGNAL
18	P01	O	E CLK	EEP ROM CLOCK SIGNAL
19	P02	O	E DATA	EEP ROM DATA SIGNAL
20	P03	O	E BUSY	EEP ROM BUSY SIGNAL (NOT TRANSFER)
21	P04	O	TV/VTR	EURO-AV CONNECTOR CONTROL SIGNAL

PIN NO	SIGNAL	I/O	DATA	EXPLANATION
22	P05	O	LINE 1	INPUT SELECT SIGNAL
23	P06	O	LINE 2	INPUT SELECT SIGNAL
24	P07	I	NICAM MODEL	SLV-757NC/757UB (NICAM) : "H"
25	P10	O	REW LED	LED DRIVE OUTPUT "L" ON
26	P11	O	PB LED	LED DRIVE OUTPUT "L" ON
27	P12	O	FF LED	LED DRIVE OUTPUT "L" ON
28	P13	O	PAUSE LED	LED DRIVE OUTPUT "L" ON
29	P14	O	REC LED	LED DRIVE OUTPUT "L" ON
30	P15	O	STILL LED	LED DRIVE OUTPUT "L" ON
31	P16	O	RVS LED	LED DRIVE OUTPUT "L" ON
32	P17	O	FWD LED	LED DRIVE OUTPUT "L" ON
33	P20	I	CG H DET	BLUBACK H DET H DET BLUBACK "H", NORMAL→ "L"
34	P21	I	POWER SW	POWER SW
35	P22	I	POWER FAIL	INPUT POWER DETECT NORMALLY "H" POWER OFF "L"
36	P40		NICAM DET	NICAM : "L"
37	P41	O	RESERVE	
38	P42	I	TU H DET	SYNC DETECT FOR TUNNER
39	P43	I	SIRCS IN	W/L WD REMOTE CONTROL IN/SIRCS ENABLE OUT SIRCS OUT "L" OTHERTIME "HI Z"
40	P44	I	LINCS IN	LINCS IN
41	P45	O	LINCS OUT	LINCS OUT
42	P46	O	VPS CS	VPS CS SIGNAL
43	P47	O	POWER ON	POWER CONTROL OUT ON "H" OFF "L"
44	P70	O	F MONO	MONO "H"

	TUNER	LINE 1	LINE 2	SIMUL
LINE 1	L	H	L	H
LINE 2	L	L	H	H

PIN NO	SIGNAL	I/O	DATA	EXPLANATION
45	P71	O	TA MUTE	MUTE "H"
46	P72	I	ST	STEREO "L"
47	P73	I	$\overline{\text{BI}}$	BILINGUAL "L"
48	P74	O	$\overline{\text{VPS RST}}$	VPS : RESET SIGNAL
49	P75	O	LATCH	FS TUNER LATCH OUT
50	P76	O	CLOCK	FS TUNER CLOCK OUT
51	P77	O	DATA	FS TUNER DATA OUT
52~59		O	FS00-07	FLO SEGMENT OUT S0~S7
60	VCC		+5V	
61~64		O	FC04-07	FLO GRID OUT
65	VCC		+5V	
66~69		O	FC00-03	FLO GRID OUT
70	VSS		0V	
71~78		O	FS08-15	FLO SEGMENT OUT
79	VFDP		-30V	
80~82		O	FC08-10	FLO GRID OUT
83	FC11	O	F REW LED	LED DRIVE OUT "H" ON
84	FC12	O	EDIT M LED	LED DRIVE OUT "H" ON
85	FC13	O	SYNC EDIT LED	LED DRIVE OUT "H" ON
86	FC14	O	V INS LED	LED DRIVE OUT "H" ON
87	FC15	O	A INS LED	LED DRIVE OUT "H" ON
88	SI	I	SERIAL BUS LINE	SO BUS DATA TRANSFER LINE
89	SO	O	SERIAL BUS LINE	SI BUS DATA TRANSFER LINE
90	SCK X	I/O	SERIAL BUS LINE	S CLK DATA TRANSFER LINE

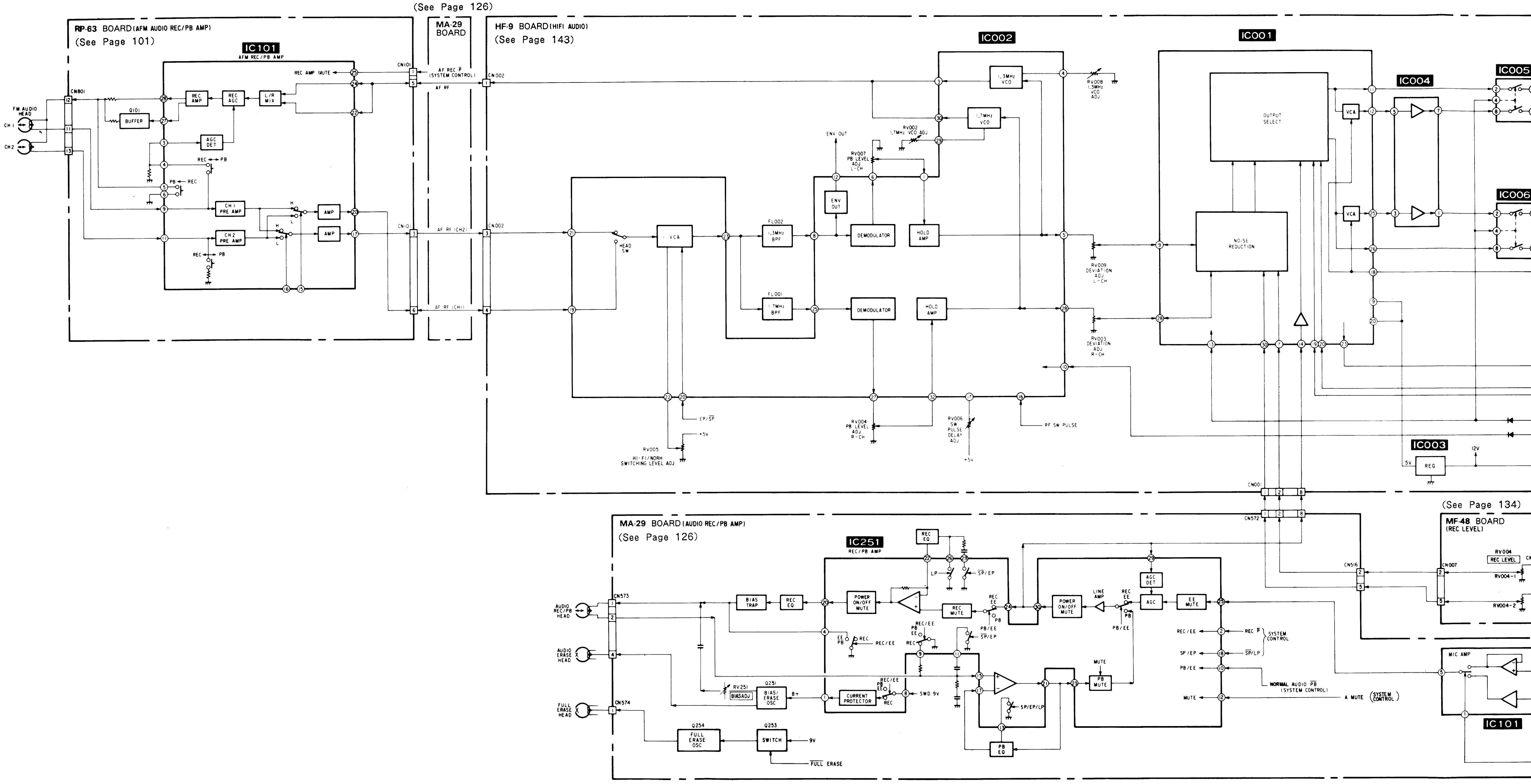
PIN NO	SIGNAL	I/O	DATA	EXPLANATION
90	SCK X	I/O	SERIAL BUS LINE	$\overline{\text{S CLK}}$ DATA TRANSFER LINE
91	P53	O	SIP LOAD	SERIAL/PARALLEL CONVERT LATCH OUT
92	P54	O	$\overline{\text{COSMO RESET}}$	MS-34 IC501 FOR RESET OUT "L" RESET
93	P55	O	SIRCS OUT	SIRCS OUT
94	P56	O	$\overline{\text{COSMO CS}}$	MS-34 IC501 TIP SELECT SIGNAL OUT
95	P57	O	$\overline{\text{CG CS}}$	TIP SELECT SIGNAL OUT FOR CHARACTER GENERATOR
96	DA0	O	BUZZER ON	BUZZER ON "H"
97	DA1	O	AUTO TRACKING LED	"H" ON
98	A VSS		0V	GROUND TERMINAL FOR ANALOG
99	A VCC		+5V	VCC
100	AD 0	I	KEY IN	8 DEVIDE FROM 7 PIECES IN

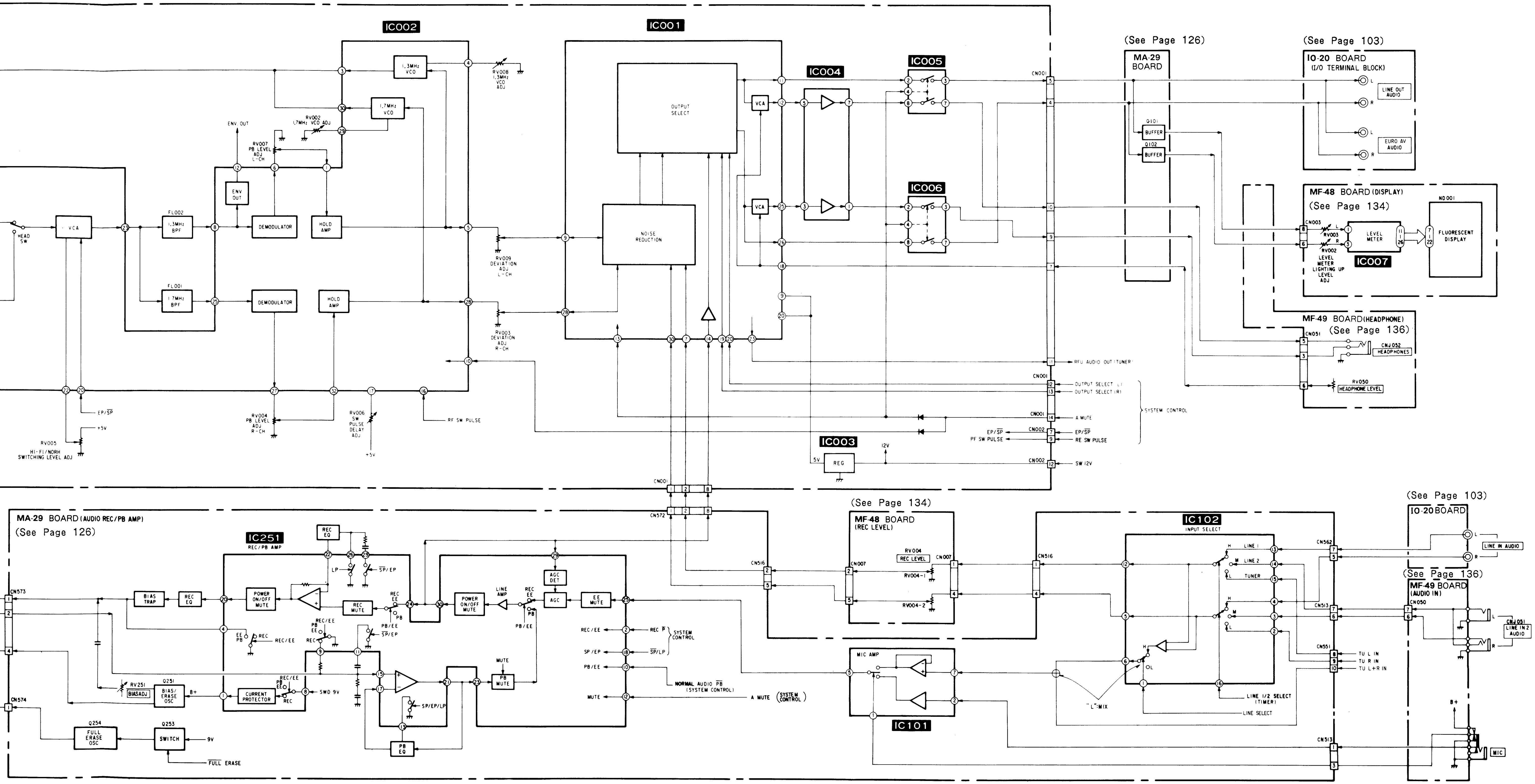
• A/D PORT LOCATION (MF-48 BOARD IC001 MB89793B)

SIGNAL	PIN NO	INPUT VOLTAGE OF PUSH ON BUTTON							
		0V	0.94V	1.57V	2.19V	2.82V	3.44V	4.07V	
AD0	(100)	EJECT	STOP	PB	REC	V-INS	A-INS	–	Brake
AD1	①	EDIT MONITOR	FF	REW	PAUSE	F • REW	H. TRACK		
AD2	②	INPUT SELECT	CH UP	CH DOWN	TIMER REC	QUICK TIMER		*1	
AD3	③	SYNC EDIT	M. TRACK +	AUTO TRACK	*1	*1	*1	MIC SW	*1 MIC OFF Brake MIC ON Make
AD4	④	TV/VTR	TAPE SPEED	EDIT ON/OFF	*	TEST (×120)	R. MODE 1	R. MODE 2	REMOTE CONTROL mode KM1 KM2 VTR1 Make – VTR2 Brake Make VTR3 Brake Brake
AD5	⑤	SLV-757VP/757/757NC/757UB				–	–	–	→SYSTEM SENS
AD6	⑥	ANALOG AFT							
AD7	⑦	SHUTTLE (AFTERED A/D CONVERT DIGITAL DATA DIRECTLY TRANSFER TO IC501 IN MA-29 BOARD)							

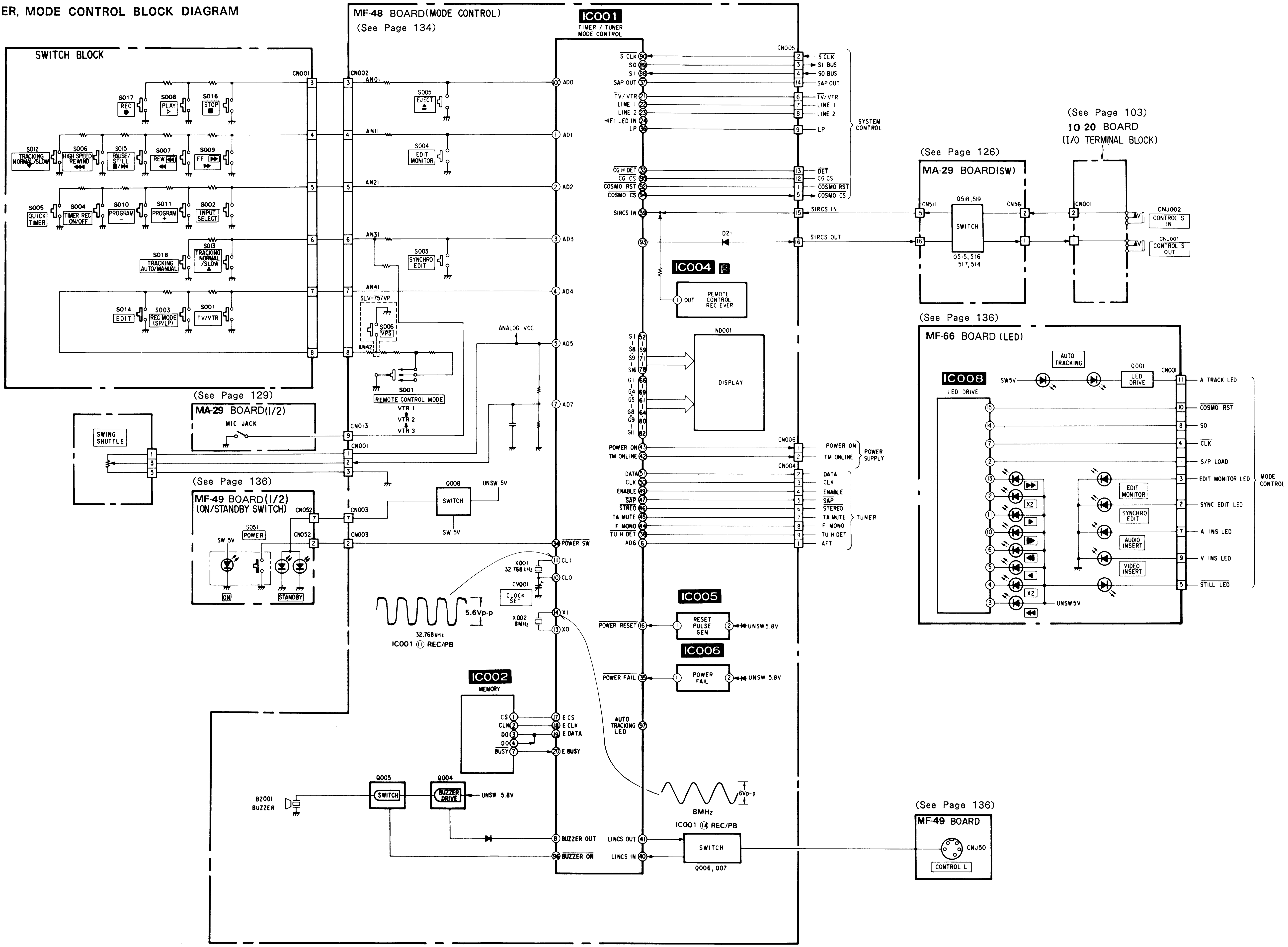
*1. NON SWITCH
*2. LANK M/S -ON/OFF

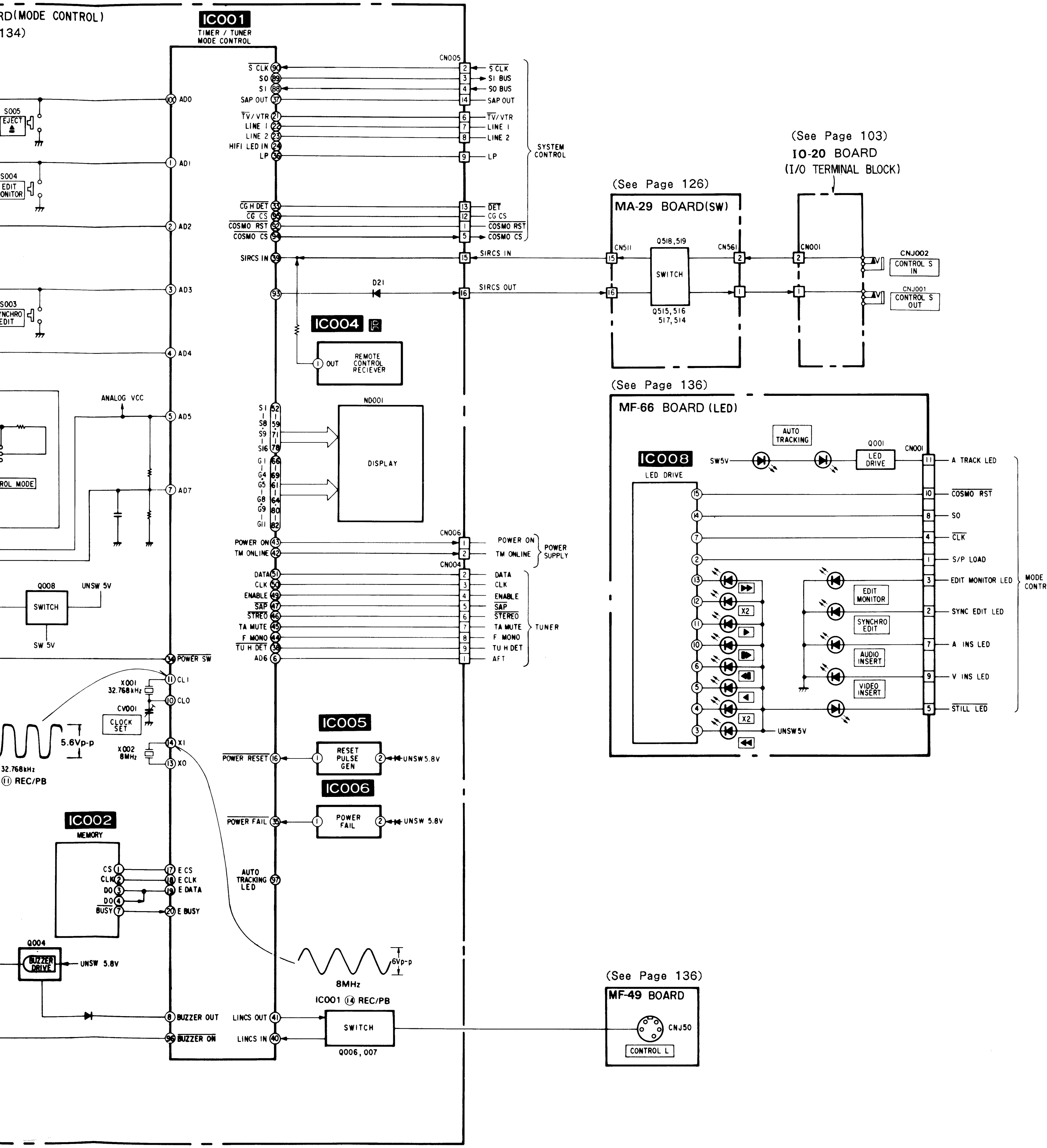
4-13. AUDIO BLOCK DIAGRAM


(See Page 126)
RP-63 BOARD (AFM AUDIO REC/PB AMP)
(See Page 101)
IC101
AFM REC/PB AMP
FM AUDIO HEAD
CH 1
CH 2
CN801
Q101
BUFFER
REC AMP
REC AGC
L/R MIX
AGC DET
REC AMP MUTE
REC ↔ PB
PB ← REC
CH 1 PRE AMP
CH 2 PRE AMP
H
L
AMP
CN101
MA-29 BOARD
AF REC P̄ (SYSTEM CONTROL)
AF RF
AF RF (CH2)
AF RF (CH1)
HF-9 BOARD (HIFI AUDIO)
(See Page 143)
CN002
IC002
HEAD SW
VCA
FL002
1.3MHz BPF
FL001
1.7MHz BPF
ENV OUT
DEMODULATOR
HOLD AMP
1.3MHz VCO
1.7MHz VCO
RV008 1.3MHz VCO ADJ
RV002 1.7MHz VCO ADJ
RV007 PB LEVEL ADJ L-CH
RV009 DEVIATION ADJ L-CH
RV003 DEVIATION ADJ R-CH
RV004 PB LEVEL ADJ R-CH
RV006 SW PULSE DELAY ADJ
RV005 HI-FI/NORM SWITCHING LEVEL ADJ
EP/SP̄
+5V
RF SW PULSE
IC001
OUTPUT SELECT
NOISE REDUCTION
VCA
IC004
IC005
IC006
IC003
REG
5V
12V
CN001
CN572
MA-29 BOARD (AUDIO REC/PB AMP)
(See Page 126)
IC251
REC/PB AMP
AUDIO REC/PB HEAD
AUDIO ERASE HEAD
FULL ERASE HEAD
CN573
CN574
BIAS TRAP
REC EQ
POWER ON/OFF MUTE
REC MUTE
LP
SP̄/EP
REC/EE
PB/EE
SP/EP/LP
RV251
BIASADJ
Q251
BIAS/ERASE OSC
B+
CURRENT PROTECTOR
SWD 9V
Q254
FULL ERASE OSC
Q253
SWITCH
9V
FULL ERASE
PB EQ
PB MUTE
MUTE
LINE AMP
AGC DET
AGC
EE MUTE
REC P̄
SYSTEM CONTROL
SP/EP
SP̄/LP
PB/EE
NORMAL AUDIO P̄B̄ (SYSTEM CONTROL)
A MUTE (SYSTEM CONTROL)
CN516
(See Page 134)
MF-48 BOARD (REC LEVEL)
CN007
RV004 REC LEVEL
RV004-1
RV004-2
MIC AMP
IC101

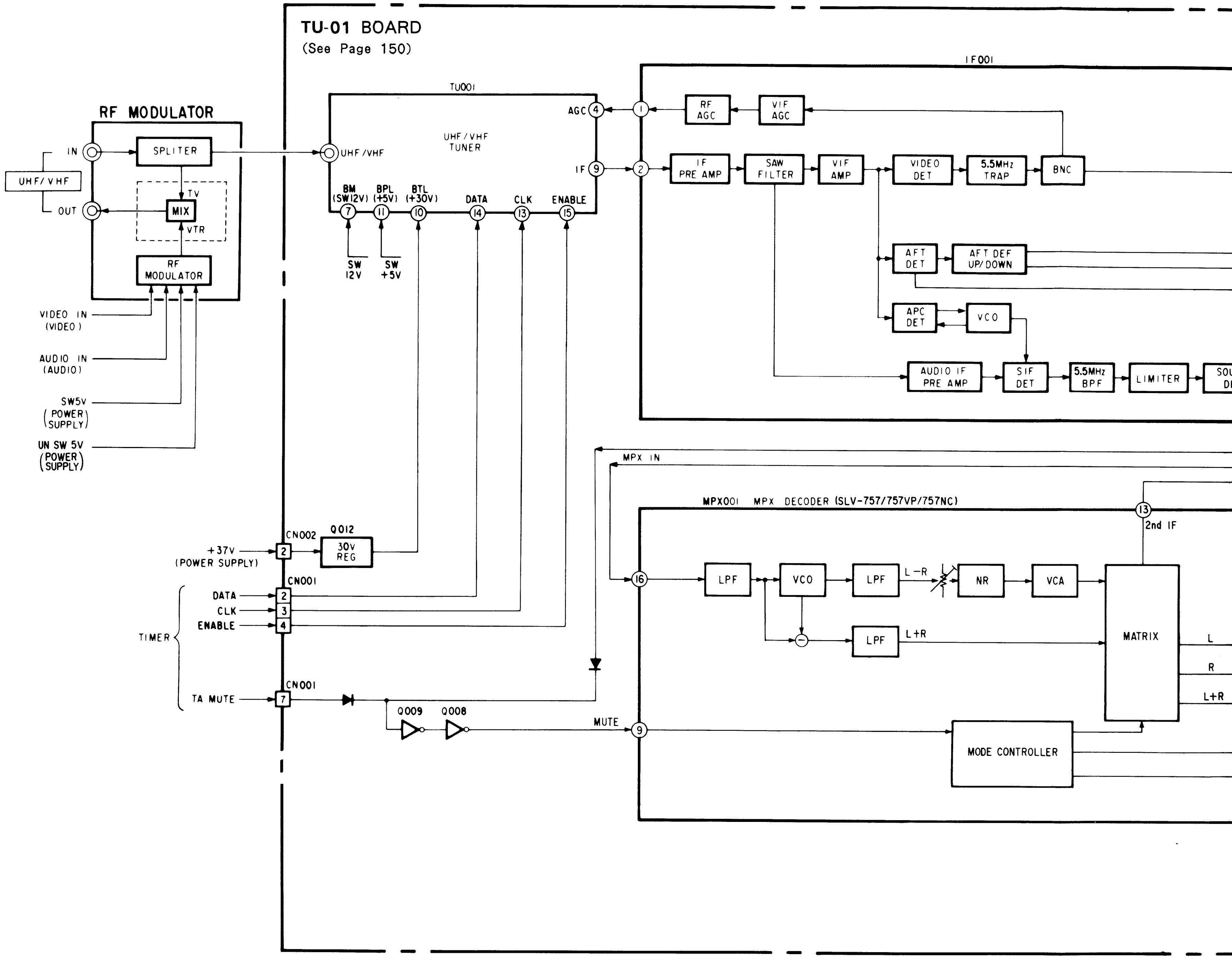

IC002
IC001
IC004
IC005
IC006
IC003
IC007
IC251
IC102
IC101
1.3MHz VCO
1.7MHz VCO
RV008 1.3MHz VCO ADJ
RV002 1.7MHz VCO ADJ
ENV. OUT
RV007 PB LEVEL ADJ L-CH
ENV OUT
DEMODULATOR
HOLD AMP
VCA
HEAD SW
FL002 1.3MHz BPF
FL001 1.7MHz BPF
RV009 DEVIATION ADJ L-CH
RV003 DEVIATION ADJ R-CH
RV004 PB LEVEL ADJ R-CH
RV006 SW PULSE DELAY ADJ
RF SW PULSE
EP/SP
+5V
RV005 HI-FI/NORM SWITCHING LEVEL ADJ
OUTPUT SELECT
NOISE REDUCTION
REG
5V
12V
CN001
CN002
RF AUDIO OUT (TUNER)
OUTPUT SELECT (L)
OUTPUT SELECT (R)
A MUTE
EP/SP
PF SW PULSE
RE SW PULSE
SW 12V
SYSTEM CONTROL
(See Page 126)
MA-29 BOARD
Q101 BUFFER
Q102 BUFFER
(See Page 103)
IO-20 BOARD (I/O TERMINAL BLOCK)
LINE OUT AUDIO
EURO AV AUDIO
MF-48 BOARD (DISPLAY)
(See Page 134)
ND001
CN003
RV003
RV002 LEVEL METER LIGHTING UP LEVEL ADJ
LEVEL METER
FLUORESCENT DISPLAY
MF-49 BOARD (HEADPHONE)
(See Page 136)
CN051
CNJ052 HEADPHONES
RV050 HEADPHONE LEVEL
CN572
MA-29 BOARD (AUDIO REC/PB AMP)
(See Page 126)
REC/PB AMP
REC EQ
CN573
CN574
BIAS TRAP
POWER ON/OFF MUTE
REC MUTE
LP
SP/EP
LINE AMP
AGC DET
AGC
EE MUTE
REC/EE
REC PB
SYSTEM CONTROL
SP/EP
SP/LP
PB/EE
MUTE
NORMAL AUDIO PB (SYSTEM CONTROL)
A MUTE (SYSTEM CONTROL)
RV251
BIASADJ
Q251 BIAS/ERASE OSC
B+
CURRENT PROTECTOR
SWD 9V
SP/EP/LP
PB EQ
PB MUTE
Q254 FULL ERASE OSC
Q253 SWITCH
9V
FULL ERASE
CN516
(See Page 134)
MF-48 BOARD (REC LEVEL)
CN007
RV004 REC LEVEL
RV004-1
RV004-2
MIC AMP
INPUT SELECT
LINE 1
LINE 2
TUNER
H M L
OL
"L" MIX
LINE 1/2 SELECT (TIMER)
LINE SELECT
CN562
CN513
CN551
TU L IN
TU R IN
TU L+R IN
(See Page 103)
IO-20 BOARD
LINE IN AUDIO
(See Page 136)
MF-49 BOARD (AUDIO IN)
CN050
CNJ051 LINE IN 2 AUDIO
MIC

4-14. TIMER, MODE CONTROL BLOCK DIAGRAM

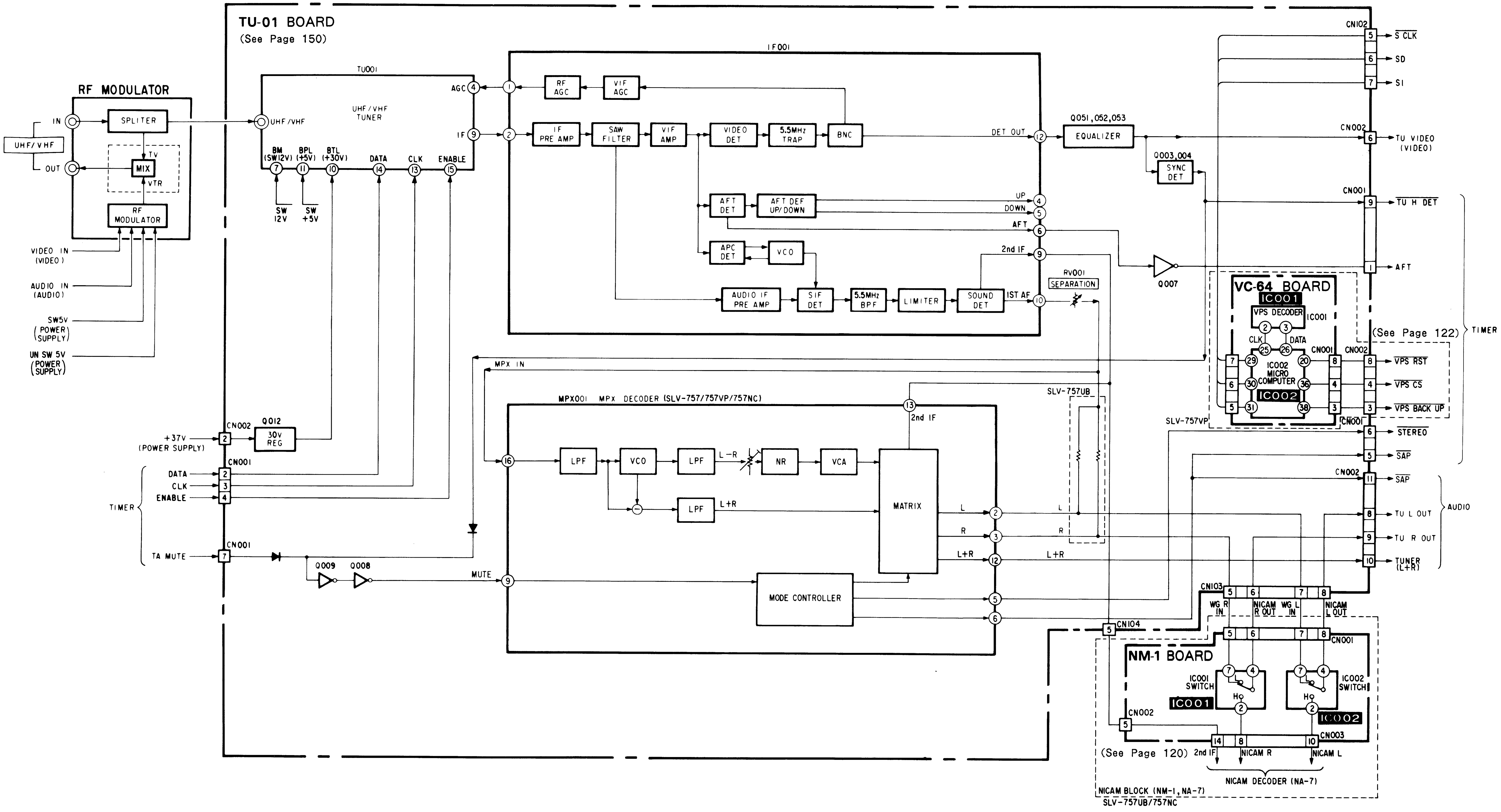

MF-48 BOARD(MODE CONTROL)
(See Page 134)
IC001
TIMER / TUNER MODE CONTROL
SWITCH BLOCK
S017 REC
S008 PLAY
S016 STOP
S012 TRACKING NORMAL/SLOW
S006 HIGH SPEED REWIND
S015 PAUSE/STILL
S007 REW
S009 FF
S005 QUICK TIMER
S004 TIMER REC ON/OFF
S010 PROGRAM −
S011 PROGRAM +
S002 INPUT SELECT
S018 TRACKING AUTO/MANUAL
S013 TRACKING NORMAL /SLOW
S014 EDIT
S003 REC MODE (SP/LP)
S001 TV/VTR
S005 EJECT
S004 EDIT MONITOR
S003 SYNCHRO EDIT
SLV-757VP
S006 VPS
S001 REMOTE CONTROL MODE
VTR 1
VTR 2
VTR 3
ANALOG VCC
AD0
AD1
AD2
AD3
AD4
AD5
AD7
(See Page 129)
MA-29 BOARD(1/2)
MIC JACK
SWING SHUTTLE
(See Page 136)
MF-49 BOARD(1/2) (ON/STANDBY SWITCH)
S051 POWER
SW 5V
ON
STANDBY
Q008 SWITCH
UNSW 5V
SW 5V
POWER SW
X001 32.768kHz
CV001 CLOCK SET
X002 8MHz
5.6Vp-p
32.768kHz
IC001 ⑪ REC/PB
IC002
MEMORY
CS
CLK
DO
DO
BUSY
E CS
E CLK
E DATA
E BUSY
BZ001 BUZZER
Q005 SWITCH
Q004 BUZZER DRIVE
UNSW 5.8V
BUZZER OUT
BUZZER ON
S CLK
SO
SI
SAP OUT
TV/VTR
LINE 1
LINE 2
HIFI LED IN
LP
CG H DET
CG CS
COSMO RST
COSMO CS
SIRCS IN
SI BUS
SO BUS
SYSTEM CONTROL
DET
SIRCS OUT
D21
IC004
REMOTE CONTROL RECIEVER
ND001
DISPLAY
POWER ON
TM ONLINE
POWER SUPPLY
DATA
CLK
ENABLE
SAP
STEREO
TA MUTE
F MONO
TU H DET
AFT
TUNER
IC005
RESET PULSE GEN
POWER RESET
UNSW5.8V
IC006
POWER FAIL
AUTO TRACKING LED
6Vp-p
8MHz
IC001 ⑭ REC/PB
LINCS OUT
LINCS IN
SWITCH
Q006, 007
(See Page 103)
10-20 BOARD
(I/O TERMINAL BLOCK)
(See Page 126)
MA-29 BOARD(SW)
Q518, 519
SWITCH
Q515, 516 517, 514
CNJ002 CONTROL S IN
CNJ001 CONTROL S OUT
(See Page 136)
MF-66 BOARD (LED)
IC008
LED DRIVE
AUTO TRACKING
SW5V
Q001 LED DRIVE
A TRACK LED
COSMO RST
SO
CLK
S/P LOAD
EDIT MONITOR LED
SYNC EDIT LED
A INS LED
V INS LED
STILL LED
MODE CONTROL
EDIT MONITOR
SYNCHRO EDIT
AUDIO INSERT
VIDEO INSERT
X2
UNSW5V
(See Page 136)
MF-49 BOARD
CNJ50
CONTROL L


RD(MODE CONTROL)
134)
IC001
TIMER / TUNER MODE CONTROL
S CLK
SO
SI
SAP OUT
TV/VTR
LINE 1
LINE 2
HIFI LED IN
LP
CG H DET
CG CS
COSMO RST
COSMO CS
SIRCS IN
CN005
S CLK
SI BUS
SO BUS
SAP OUT
TV/VTR
LINE 1
LINE 2
LP
DET
CG CS
COSMO RST
COSMO CS
SYSTEM CONTROL
SIRCS IN
SIRCS OUT
D21
AD0
AD1
AD2
AD3
AD4
AD5
AD7
S005 EJECT
S004 EDIT MONITOR
S003 SYNCHRO EDIT
ANALOG VCC
ROL MODE
IC004
OUT
REMOTE CONTROL RECIEVER
ND001
DISPLAY
S1 S8 S9 S16 G1 G4 G5 G8 G9 G11
CN006
POWER ON
TM ONLINE
POWER SUPPLY
CN004
DATA
CLK
ENABLE
SAP
STEREO
TA MUTE
F MONO
TU H DET
AD6
AFT
TUNER
Q008
SWITCH
UNSW 5V
SW 5V
POWER SW
X001 32.768kHz
CL1
CLO
CV001
CLOCK SET
X1
X0
X002 8MHz
5.6Vp-p
32.768kHz
⑪ REC/PB
IC005
POWER RESET
RESET PULSE GEN
UNSW5.8V
IC006
POWER FAIL
UNSW 5.8V
IC002
MEMORY
CS
CLK
DO
DO
BUSY
E CS
E CLK
E DATA
E BUSY
AUTO TRACKING LED
Q004
BUZZER DRIVE
UNSW 5.8V
6Vp-p
8MHz
IC001 ⑭ REC/PB
BUZZER OUT
BUZZER ON
LINCS OUT
LINCS IN
SWITCH
Q006, 007
(See Page 126)
MA-29 BOARD(SW)
CN511
Q518, 519
CN561
SWITCH
Q515, 516 517, 514
(See Page 103)
IO-20 BOARD
(I/O TERMINAL BLOCK)
CN001
CNJ002
CONTROL S IN
CNJ001
CONTROL S OUT
(See Page 136)
MF-66 BOARD (LED)
IC008
LED DRIVE
SW5V
AUTO TRACKING
Q001
LED DRIVE
CN001
X2
EDIT MONITOR
SYNCHRO EDIT
AUDIO INSERT
VIDEO INSERT
UNSW5V
A TRACK LED
COSMO RST
SO
CLK
S/P LOAD
EDIT MONITOR LED
SYNC EDIT LED
A INS LED
V INS LED
STILL LED
MODE CONTROL
(See Page 136)
MF-49 BOARD
CNJ50
CONTROL L

4-15. TUNER BLOCK DIAGRAM

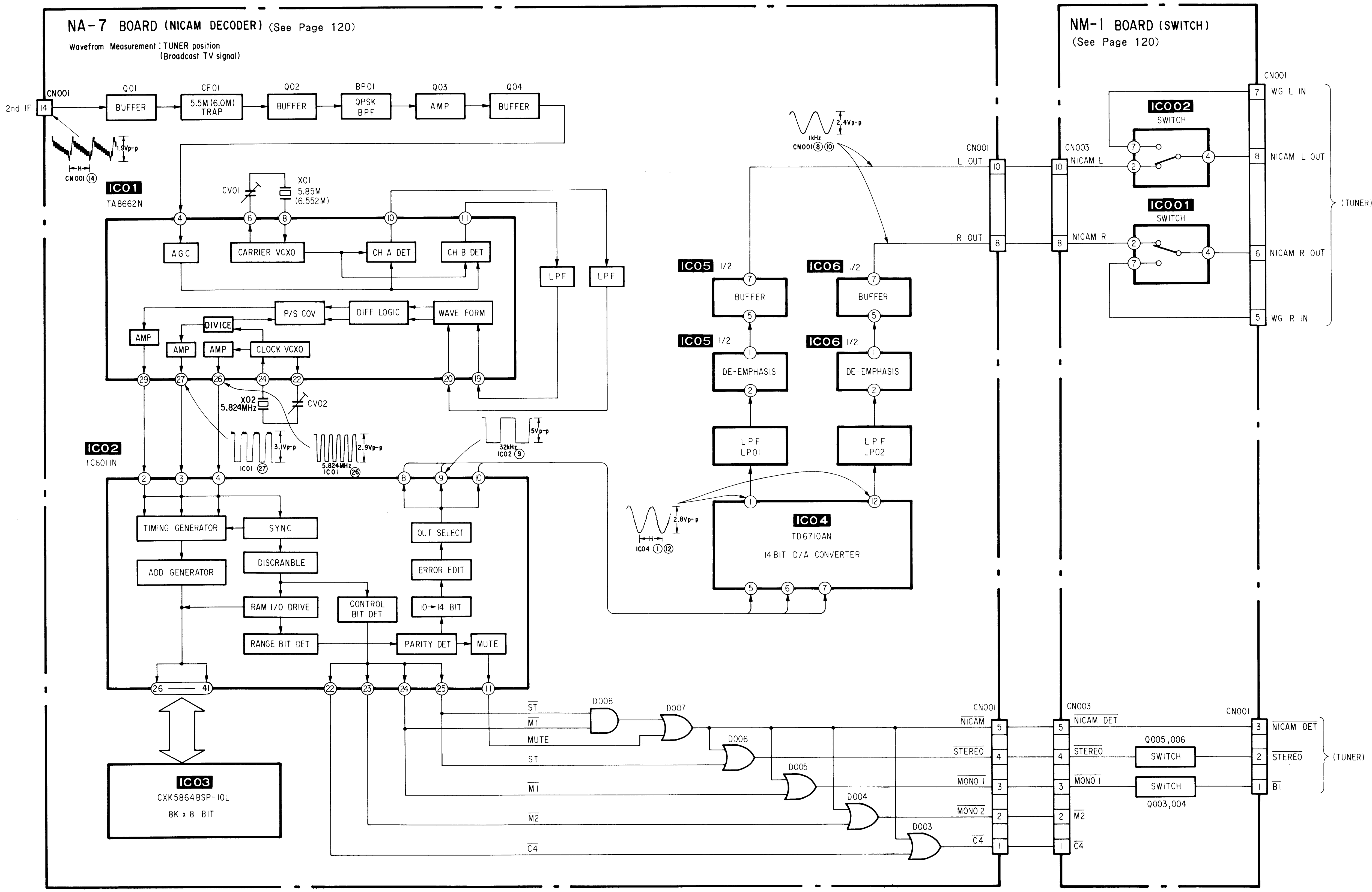

TU-01 BOARD
(See Page 150)
RF MODULATOR
IN
OUT
UHF/VHF
SPLITER
TV
MIX
VTR
RF MODULATOR
VIDEO IN (VIDEO)
AUDIO IN (AUDIO)
SW5V (POWER SUPPLY)
UN SW 5V (POWER SUPPLY)
TU001
UHF/VHF TUNER
UHF/VHF
AGC 4
IF 9
BM (SW12V) 7
BPL (+5V) 11
BTL (+30V) 10
DATA 14
CLK 13
ENABLE 15
SW 12V
SW +5V
IF001
RF AGC
VIF AGC
IF PRE AMP
SAW FILTER
VIF AMP
VIDEO DET
5.5MHz TRAP
BNC
AFT DET
AFT DEF UP/DOWN
APC DET
VCO
AUDIO IF PRE AMP
SIF DET
5.5MHz BPF
LIMITER
MPX IN
MPX001 MPX DECODER (SLV-757/757VP/757NC)
13 2nd IF
16
LPF
VCO
LPF
L−R
NR
VCA
LPF
L+R
MATRIX
L
R
L+R
MUTE 9
MODE CONTROLLER
+37V (POWER SUPPLY)
CN002 2
Q012
30V REG
CN001
DATA 2
CLK 3
ENABLE 4
TIMER
TA MUTE 7
CN001
Q009
Q008

4-15. TUNER BLOCK DIAGRAM


TU-01 BOARD
(See Page 150)
RF MODULATOR
UHF/VHF
IN
OUT
SPLITER
TV
MIX
VTR
RF MODULATOR
VIDEO IN (VIDEO)
AUDIO IN (AUDIO)
SW5V (POWER SUPPLY)
UN SW 5V (POWER SUPPLY)
TU001
UHF/VHF TUNER
UHF/VHF
AGC
IF
BM (SW12V)
BPL (+5V)
BTL (+30V)
DATA
CLK
ENABLE
SW 12V
SW +5V
IF001
RF AGC
VIF AGC
IF PRE AMP
SAW FILTER
VIF AMP
VIDEO DET
5.5MHz TRAP
BNC
DET OUT
AFT DET
AFT DEF UP/DOWN
UP
DOWN
AFT
APC DET
VCO
2nd IF
AUDIO IF PRE AMP
SIF DET
5.5MHz BPF
LIMITER
SOUND DET
IST AF
RV001 SEPARATION
Q051,052,053
EQUALIZER
Q003,004
SYNC DET
Q007
CN102
S CLK
SD
SI
CN002
TU VIDEO (VIDEO)
CN001
TU H DET
AFT
VC-64 BOARD
IC001
VPS DECODER
IC001
CLK
DATA
CN001
IC002 MICRO COMPUTER
IC002
CN002
(See Page 122)
TIMER
VPS RST
VPS CS
VPS BACK UP
SLV-757VP
CN001
STEREO
SAP
CN002
SAP
TU L OUT
TU R OUT
TUNER (L+R)
AUDIO
MPX IN
MPX001 MPX DECODER (SLV-757/757VP/757NC)
2nd IF
LPF
VCO
LPF
L−R
NR
VCA
LPF
L+R
MATRIX
L
R
L+R
MODE CONTROLLER
MUTE
SLV-757UB
+37V (POWER SUPPLY)
CN002
Q012
30V REG
CN001
DATA
CLK
ENABLE
TIMER
TA MUTE
CN001
Q009
Q008
CN103
WG R IN
NICAM R OUT
WG L IN
NICAM L OUT
CN104
CN001
NM-1 BOARD
IC001 SWITCH
IC001
IC002 SWITCH
IC002
CN002
CN003
(See Page 120)
2nd IF
NICAM R
NICAM L
NICAM DECODER (NA-7)
NICAM BLOCK (NM-1, NA-7)
SLV-757UB/757NC

4-16. NICAN BLOCK DIAGRAM

SLV-757NC/UB ONLY


NA-7 BOARD (NICAM DECODER) (See Page 120)
Wavefrom Measurement : TUNER position (Broadcast TV signal)
2nd IF
CN001
14
Q01 BUFFER
CF01 5.5M(6.0M) TRAP
Q02 BUFFER
BP01 QPSK BPF
Q03 AMP
Q04 BUFFER
1.9Vp-p
H
CN001 ⑭
IC01
TA8662N
CV01
X01 5.85M (6.552M)
AGC
CARRIER VCXO
CH A DET
CH B DET
LPF
LPF
P/S COV
DIFF LOGIC
WAVE FORM
DIVICE
AMP
AMP
AMP
CLOCK VCXO
X02 5.824MHz
CV02
IC02
TC6011N
3.1Vp-p
IC01 ㉗
2.9Vp-p
5.824MHz IC01 ㉖
5Vp-p
32kHz IC02 ⑨
TIMING GENERATOR
SYNC
ADD GENERATOR
DISCRANBLE
RAM I/O DRIVE
CONTROL BIT DET
RANGE BIT DET
OUT SELECT
ERROR EDIT
10→14 BIT
PARITY DET
MUTE
26 — 41
IC03
CXK5864BSP-10L
8K x 8 BIT
2.4Vp-p
1kHz
CN001 ⑧ ⑩
IC05 1/2
BUFFER
IC06 1/2
BUFFER
IC05 1/2
DE-EMPHASIS
IC06 1/2
DE-EMPHASIS
LPF LP01
LPF LP02
2.8Vp-p
IC04 ① ⑫
IC04
TD6710AN
14 BIT D/A CONVERTER
ST
M1
MUTE
ST
M1
M2
C4
D008
D007
D006
D005
D004
D003
CN001
L OUT
R OUT
NICAM
STEREO
MONO 1
MONO 2
C4
NM-1 BOARD (SWITCH)
(See Page 120)
CN003
NICAM L
NICAM R
IC002 SWITCH
IC001 SWITCH
CN001
WG L IN
NICAM L OUT
NICAM R OUT
WG R IN
(TUNER)
NICAM DET
STEREO
MONO 1
M2
C4
Q005,006 SWITCH
Q003,004 SWITCH
NICAM DET
STEREO
B1
(TUNER)

4-17. NICA

NICA
rate,
Comp
of P(
multi
meth
follov
which
analo

(1) High
FM s

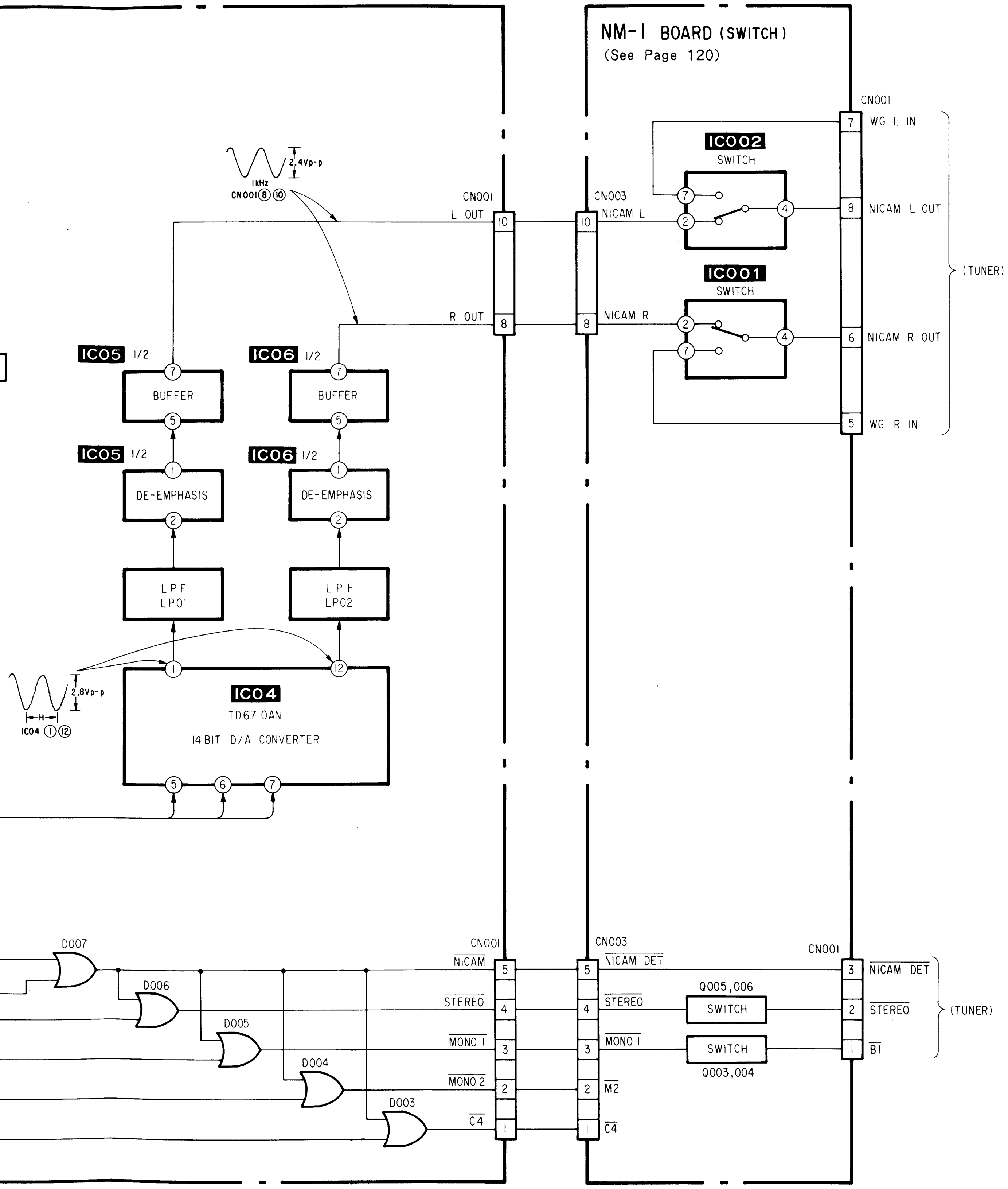
(2) Data
of re
catior
SLV-

NICAM St

Analog sour (Convention mono 1ch TV sound
Digital sour (NICAM)

NICAM RE

The RF si
amplified,
enters VIF.
circuit for
intercarrier
circuit for
signal of s
is employed
VIF passes
D/A conv
finally outp


NM-1 BOARD (SWITCH)
(See Page 120)
2.4Vp-p
1kHz
CN001⑧⑩
CN001
L OUT
R OUT
10
8
CN003
NICAM L
NICAM R
IC002
SWITCH
IC001
SWITCH
CN001
WG L IN
NICAM L OUT
NICAM R OUT
WG R IN
(TUNER)
IC05 1/2
BUFFER
IC06 1/2
BUFFER
IC05 1/2
DE-EMPHASIS
IC06 1/2
DE-EMPHASIS
LPF
LP01
LPF
LP02
2.8Vp-p
H
IC04 ①⑫
IC04
TD6710AN
14 BIT D/A CONVERTER
D007
D006
D005
D004
D003
CN001
NICAM
STEREO
MONO 1
MONO 2
C4
CN003
NICAM DET
STEREO
MONO 1
M2
C4
Q005,006
SWITCH
SWITCH
Q003,004
CN001
NICAM DET
STEREO
B1
(TUNER)

SLV-757NC/UB ONLY

4-17. NICAM (Near Instantaneous Compand System)

NICAM, or NICAM 728 which refers to its bit rate, stands for 14-to-10 bit Near Instantaneous Compand System which executes signal processing of PCM, employing the television's PCM sound multiplex broadcast system. By utilizing digital method for TV sound multiplex broadcasting, the following types of broadcasts are accomplished which heretofore were impossible to achieve with analog multiplex broadcasting.

(1) High quality sound broadcast independent from FM sound (analog).

(2) Data broadcast, while retaining the compatibility of receiving equipment. Tackles future diversification to facsimile broadcast, etc. (but not with SLV-757UB/757NC).

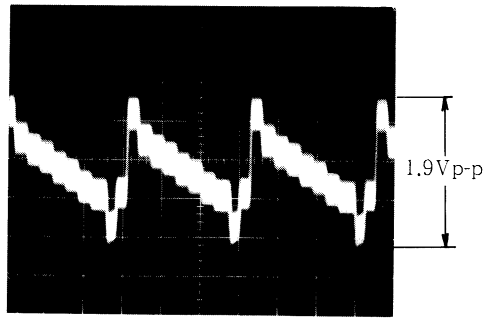
NICAM Standard

		SYSTEM-B/G Europe, etc.	SYSTEM-2 UK
Analog sound (Conventional mono 1ch TV sound)	Modulation method	FM	
	Sub-carrier frequency	5.5MHz	6.0MHz
	Signal level (image : FM)	20 : 1	10 : 1
Digital sound (NICAM)	Modulation method	DOPSK	
	Sub-carrier frequency	5.850MHz	6.552MHz
	Signal level (image : digital)	100 : 1	
	Bit rate	728K 6PS	
	Sampling frequency	32KHz	
	Quantized bit count	14bit	
	Compression/ expansion	10-to-14 bit ELONGATION COMPAND	
	Digital sound channels	2CH	

NICAM RECEIVING SYSTEM

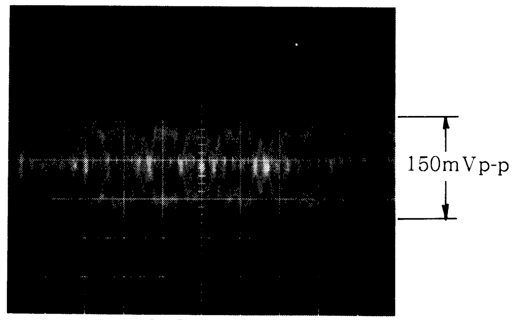
The RF signal that is input from ANT is selected, amplified, & IF converted by the tuner ; and it then enters VIF. At VIF, it is input into the image detection circuit for acquiring FM signal & OPSK signal as intercarrier ; as well as into its parallel image detection circuit for reproducing image signal. To acquire QPSK signal of superior quality, quasi-parallel tone method is employed here. The QPSK signal that is output from VIF passes through QPSK DEMOD, PCM decoder, & D/A converter ; then enters audio SW block, and is finally output as L, R signals.

Description of NA-7 (NICAM Decoder) The 2nd IF signal that is output from IF BLOCK pin ⑨ passes through NM-1 substrate, and enters NA-7 CN01 pin ⑭ (Fig. 1.).



2nd IF signal
(CN01 ⑭)
Fig. 1.

Here, the 2nd IF signal is superimposed with video signal & FM carrier 5.5MHz [＊6.0MHz] signal, aside from QPSK signal. After passing through buffer Q01, the pin ⑭ 2nd IF signal is FM trapped (CF01), and then passes through QPSK BPF (BP01) where its unwanted signal is eliminated. Next, it it undergoes level adjustment by AMP Q03 (about 13dB), and is then input into QPSK demodulation IC IC01, pin ④ (Fig. 2.).

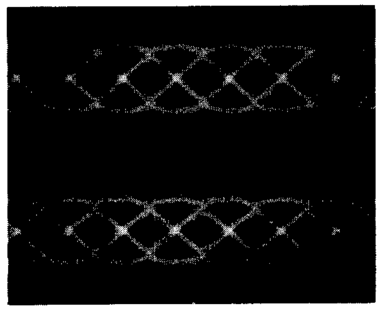


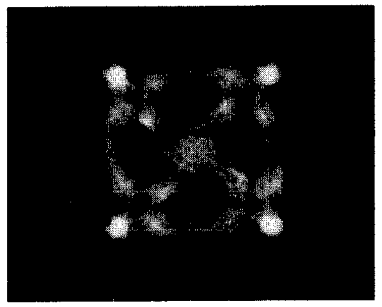
QPSK signal
(IC01 ④)
Fig. 2.

The input level at pin ④ is 150mVp-p for standerd signal (P/S2=20dB).

After passing through AGC, the signal that is input from pin ④ is subject to phase synchronization detection by two VCXO, that is by a signal which is phase synchronized with 2nd IF carrier 5.85MHz [*6.552MHz] and a signal whose phase is 180° different from it; next it is output as eye pattern through pins ⑩, ⑪ from where it then passes through the prescribed base bank LPF, and is once again input into IC01.

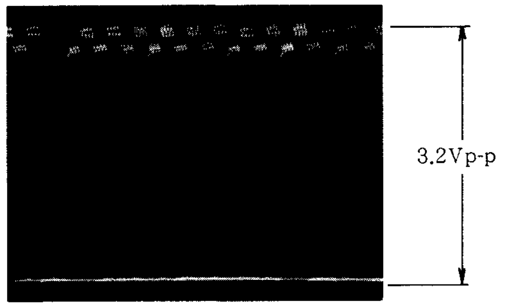
The signal entering pins ⑲, ⑳ (Fig. 3-1.) passes through wave shaper, difference logic, parallel to serial conversion; and is then output through pin ㉙ as PCM data.


Eye pattern
(IC01 UP ⑲, DOWN ⑳)
Fig. 3-1.

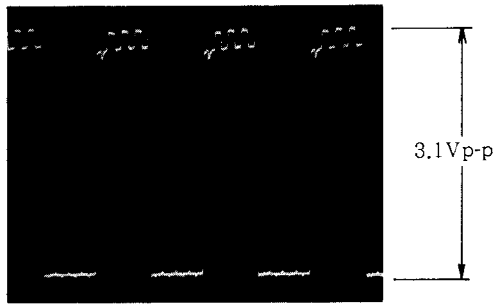

Eye pattern
(X-Y wave of Fig. 3-1.)
Fig. 3-2.

Similarly, PCM master clock 5.824MHz is output through pin ㉖, and its 1/8th 728kHz bit clock through pin ㉗.

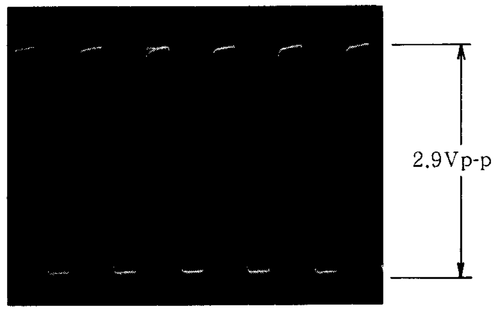
The PCM data & clocks that are output through IC01 pins ㉖ (Fig. 6.), ㉗ (Fig. 5.), ㉙ (Fig. 4.) are input into the next PCM decoder IC02.



PCM data
(IC01 ㉙)
Fig. 4.



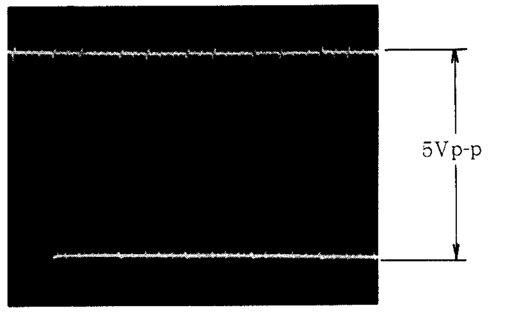
728kHz bit clock
(IC01 ㉗)
Fig. 5.



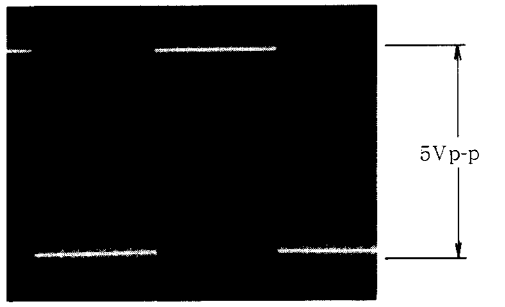
5.824MHz master clock
(IC01 ㉖)
Fig. 6.

The PCM decoder executes various signal processing, like, descramble, deinterleave, range bit detection, 10-to-14 bit elongation, error compensation, muting, and so on.

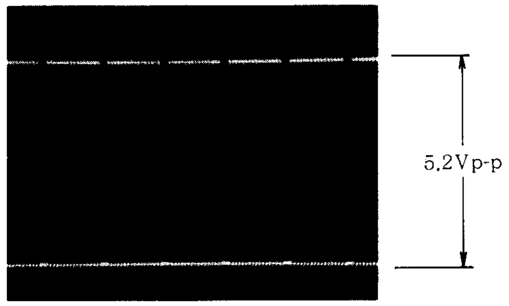
As a result of the various signal processing executed by IC02, identification signal as well as the shift clock (Fig. 9.), work clock (Fig. 8.), DA data (Fig. 7.), etc. that is needed by D/A converter are output.



DA data
(IC02 ⑩)
Fig. 7.

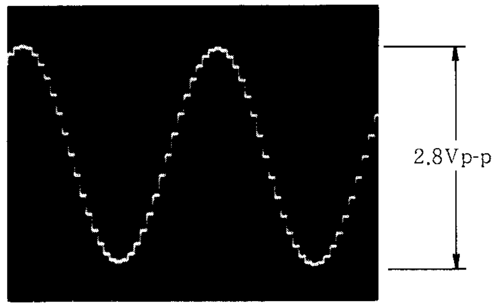


Word clock
(IC02 ⑨)
Fig. 8.



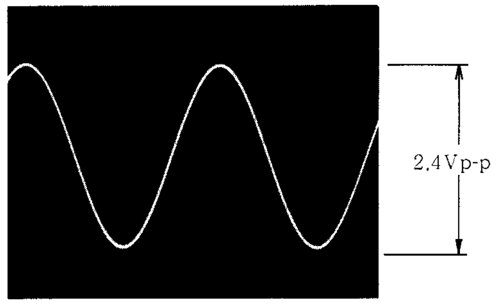
Sift clock
(IC02 ⑧)
Fig. 9.

At IC04, the input DA data, after passing through integrator and sample-hold circuit, is converted into analog signal by a 14-bit 2ch D/A converter; and is then output through pin ① Lch (Fig. 10.), pin ⑫ Rch (Fig. 10.).



D/A audio out
(IC04 ①, ⑫)
Fig. 10.

After passing through L. P. F., the L, R signal passes through buffer and de-emphasis circuit that is composed of IC05, 06; and is then output as CN01 pin ⑩ L (Fig. 11.), pin ⑧ R (Fig. 11.) signal.

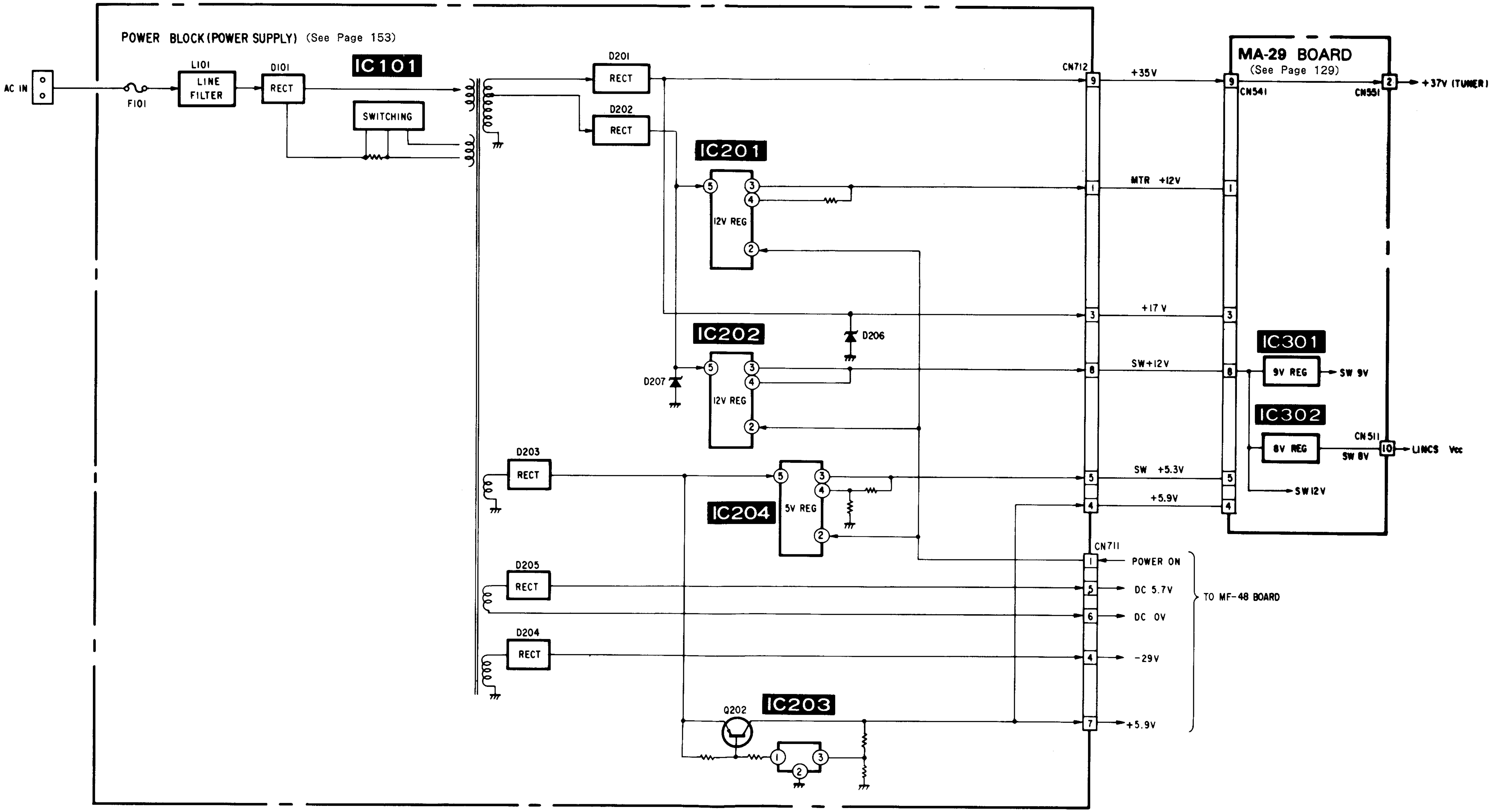


Audio out
(CN01 ⑧, ⑩)
Fig. 11.

Identification signal is prepared with a combination of ST, M, MUTE signal; and it is then input into IC001 of MF-48 BOARD.

*Frequency shown in [ ] is UK bound value.

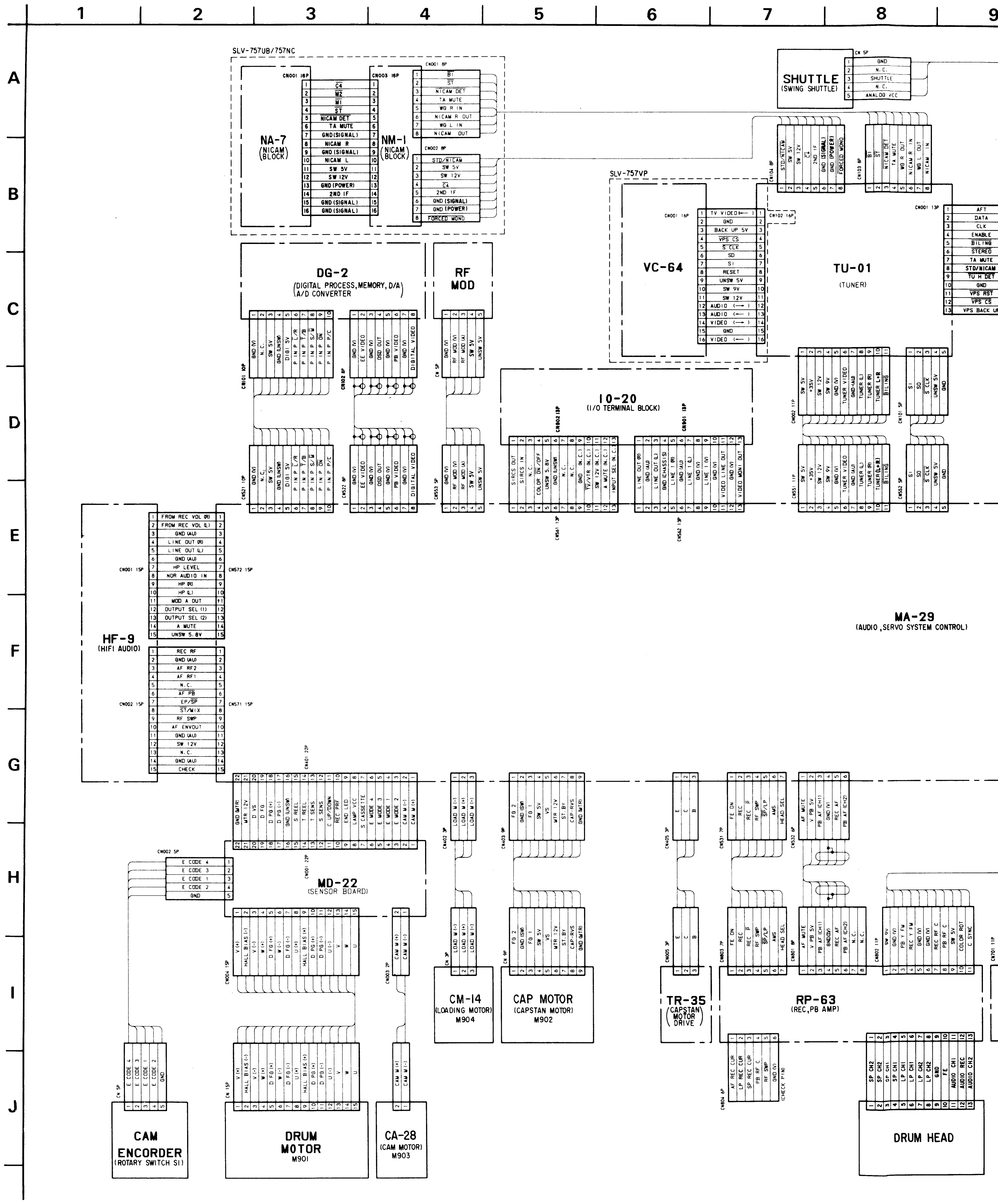
4-18. POWER BLOCK DIAGRAM

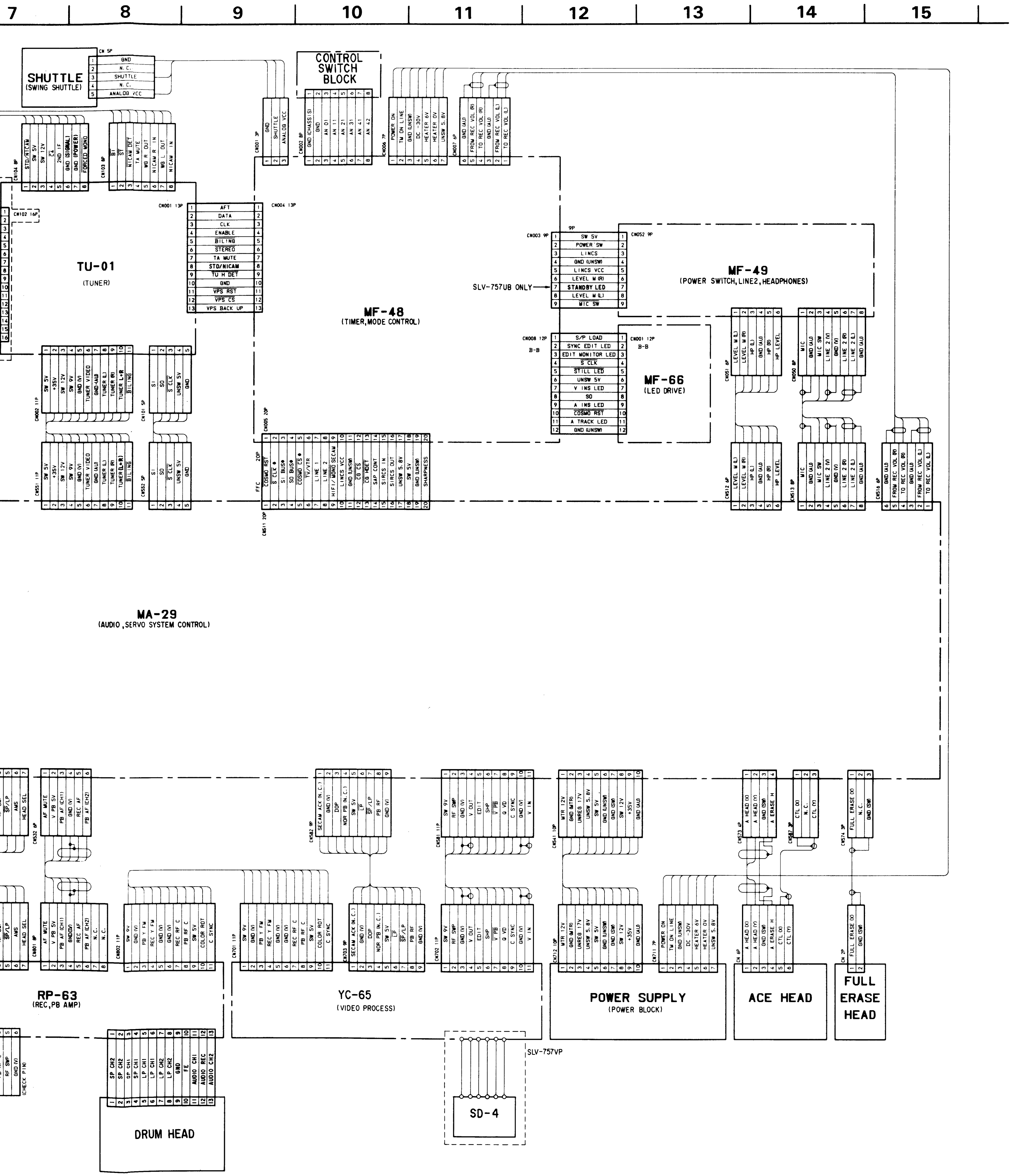

POWER BLOCK (POWER SUPPLY) (See Page 153)
AC IN
F101
L101
LINE FILTER
D101
RECT
IC101
SWITCHING
D201
RECT
D202
RECT
IC201
12V REG
IC202
12V REG
D206
D207
D203
RECT
IC204
5V REG
D205
RECT
D204
RECT
Q202
IC203
CN712
+35V
MTR +12V
+17 V
SW+12V
SW +5.3V
+5.9V
CN711
POWER ON
DC 5.7V
DC 0V
-29V
+5.9V
TO MF-48 BOARD
MA-29 BOARD
(See Page 129)
CN541
CN551
+37V (TUNER)
IC301
9V REG
SW 9V
IC302
8V REG
SW 8V
CN511
LINCS Vcc
SW 12V

SECTION 5

PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

5-1. FRAM SCHEMATIC DIAGRAM


SLV-757UB/757NC
NA-7 (NICAM BLOCK)
NM-1 (NICAM BLOCK)
SHUTTLE (SWING SHUTTLE)
SLV-757VP
VC-64
TU-01 (TUNER)
DG-2 (DIGITAL PROCESS, MEMORY, D/A A/D CONVERTER)
RF MOD
IO-20 (I/O TERMINAL BLOCK)
HF-9 (HIFI AUDIO)
MA-29 (AUDIO, SERVO SYSTEM CONTROL)
MD-22 (SENSOR BOARD)
CM-14 (LOADING MOTOR) M904
CAP MOTOR (CAPSTAN MOTOR) M902
TR-35 (CAPSTAN MOTOR DRIVE)
RP-63 (REC, PB AMP)
CAM ENCORDER (ROTARY SWITCH S1)
DRUM MOTOR M901
CA-28 (CAM MOTOR) M903
DRUM HEAD
1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
I
J


7
8
9
10
11
12
13
14
15
SHUTTLE
(SWING SHUTTLE)
GND
N.C.
SHUTTLE
N.C.
ANALOG VCC
CONTROL SWITCH BLOCK
TU-01
(TUNER)
AFT
DATA
CLK
ENABLE
BILING
STEREO
TA MUTE
STO/NICAM
TU H DET
GND
VPS RST
VPS CS
VPS BACK UP
MF-48
(TIMER, MODE CONTROL)
SW 5V
POWER SW
LINCS
GND (UNSW)
LINCS VCC
LEVEL M (R)
STANDBY LED
LEVEL M (L)
MIC SW
SLV-757UB ONLY
MF-49
(POWER SWITCH, LINE2, HEADPHONES)
S/P LOAD
SYNC EDIT LED
EDIT MONITOR LED
S CLK
STILL LED
UNSW 5V
V INS LED
SO
A INS LED
COSMO RST
A TRACK LED
GND (UNSW)
MF-66
(LED DRIVE)
MA-29
(AUDIO, SERVO SYSTEM CONTROL)
RP-63
(REC, PB AMP)
YC-65
(VIDEO PROCESS)
POWER SUPPLY
(POWER BLOCK)
ACE HEAD
FULL ERASE HEAD
DRUM HEAD
SD-4
SLV-757VP

5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For printed wiring boards :

- o— : indicates a lead wire mounted on the componet side.
- ●— : indicates a lead wire mounted on the printed side.
- ⊗ : Through hole.. ● : Through hole.
- ▨ : Pattern from the side which enables seeing.
- 🟥 : Pattern of the rear side.
- Circled numbers refer to waveforms.

Note :
Conductor side : Parts on the conductor side being seen from the conductor are stated.
Component side : Parts on the component side being seen from the component are stated.

For schematic diagram :

- Caution when replacing chip parts.
  New parts must be attached after removal of chip.
  Be careful not to heat the minuts side of tantalum capacitor, because it is damaged by the heat.
- All resistors are in ohms, ¼W (Chip resistors : 1/10W) unless otherwise noted. kΩ : 1000 Ω, MΩ : 1000k Ω.
- All capacitors are in μF unless otherwise noted. pF : μμF. 50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- ⊞ : nonflammeble resistor.
- ⊟ : fusible resistor.
- ☐ : panel designation.
- △ : internal component.
- ☐ : adjustment for repair.
- ━ : B+ line.
- ╍ : B− line.
- ⇨ : IN/OUT direction of B line (+, −).
- Circled numbers refer to waveforms.
- Voltages are dc between ground and measurement points.
- Readings are taken with color-bar signal input.
- Readings are taken with a digital multimeter (DC10M Ω).
- Voltages are taken with a VOM (Input impedance 10M Ω).
- Voltage variations may be noted due to normal production tolerances.

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

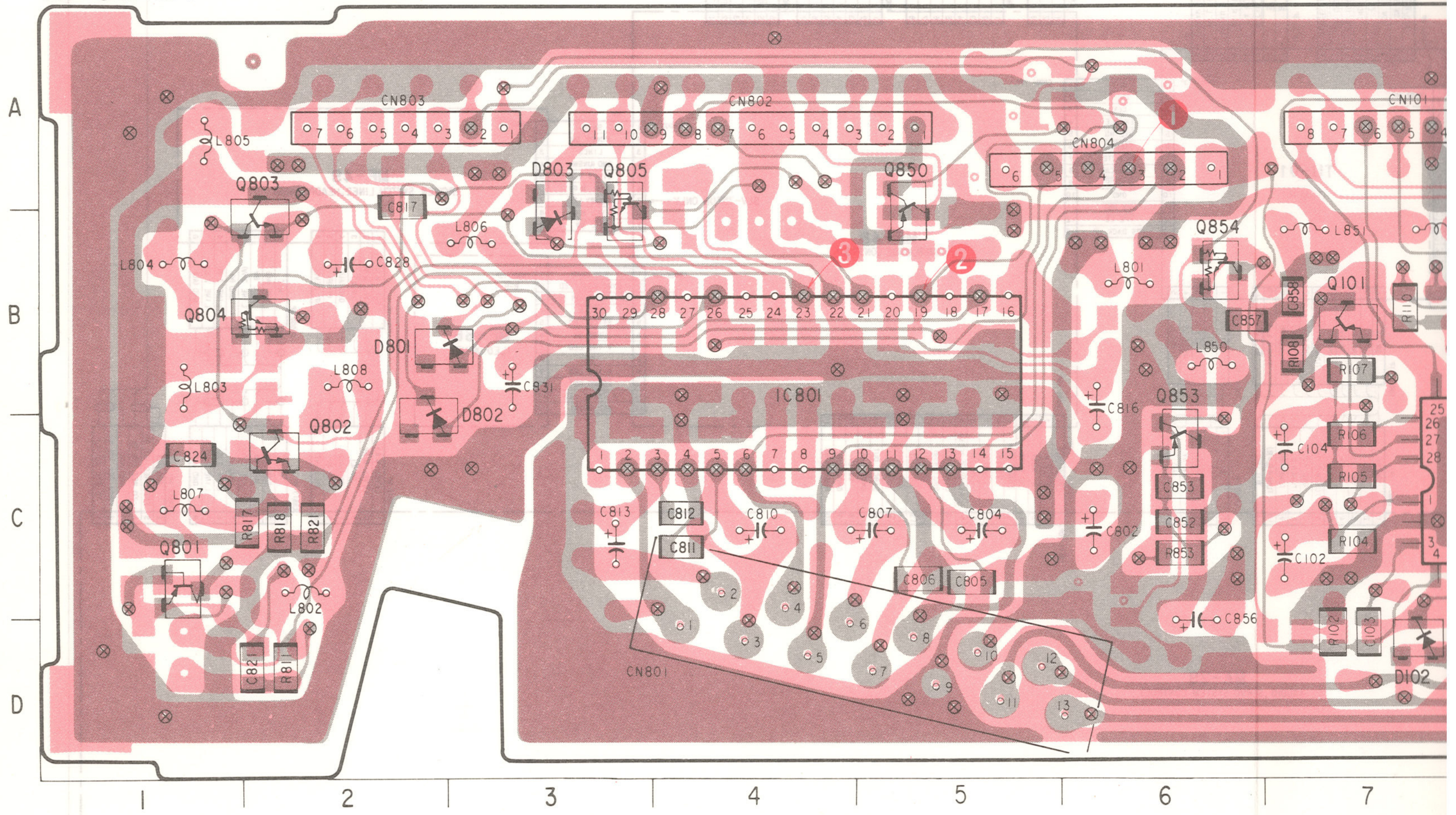
RP-63 Board

D102	D-8
D801	B-2
D802	C-2
D803	A-3
IC101	C-8
IC801	C-4
Q101	B-7
Q801	C-1
Q802	C-2
Q803	A-2
Q804	B-2
Q805	A-3
Q806	A-13
Q850	A-5
Q851	A-13
Q852	C-13
Q853	C-6
Q854	B-6

RP-63 (REC/PB AMP) PRINTED WIRING BOARD

—Ref. No. RP-63 BOARD : 6,000 Series—

RP-63BOARD (COMPONENT SIDE)

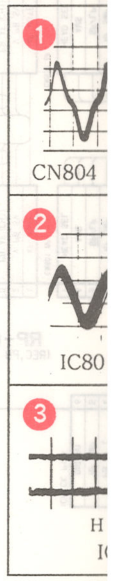

A
B
C
D
1
2
3
4
5
6
7
CN803
CN802
CN801
CN804
CN801
Q803
Q804
Q801
Q802
Q805
Q850
Q854
Q853
Q101
D801
D802
D803
D102
IC801
L801
L802
L803
L804
L805
L806
L807
L808
L850
L851
C802
C804
C806
C807
C810
C811
C812
C813
C816
C817
C824
C828
C831
C852
C853
C856
C857
C102
C104
R104
R105
R106
R107
R108
R817
R818
R821
R853
R854
1
2
3

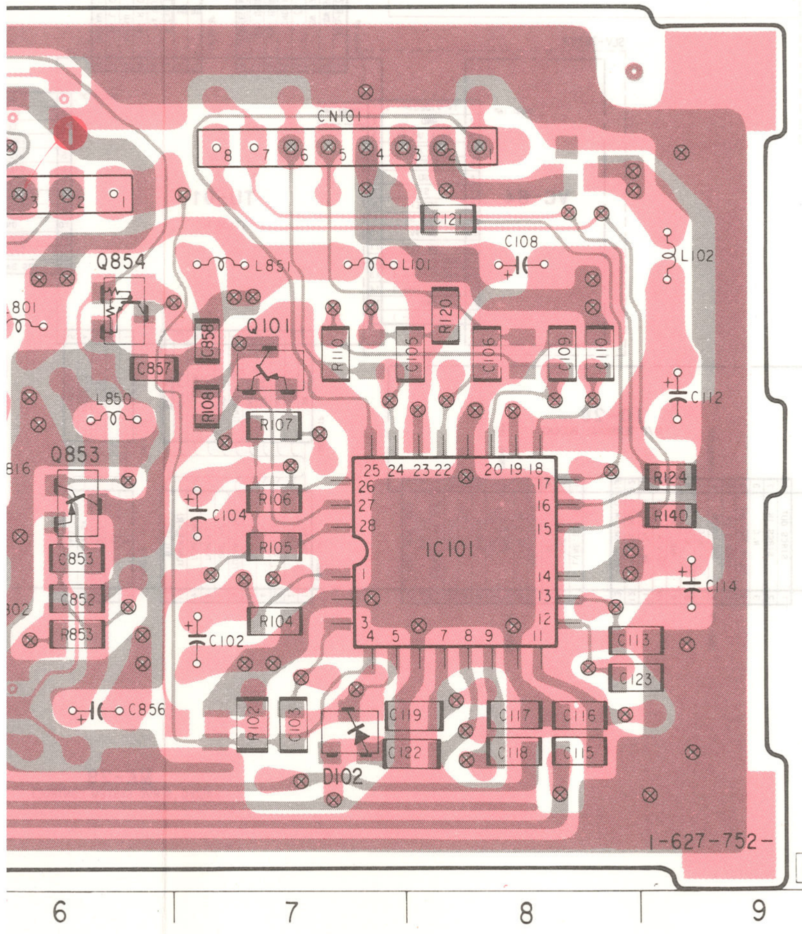
For printed wiring boards :

- o— : indicates a lead wire mounted on the componet side.
- ⊗ : Through hole..
- ▨ : Pattern from the side which enables seeing.
- 🟥 : Pattern of the rear side.

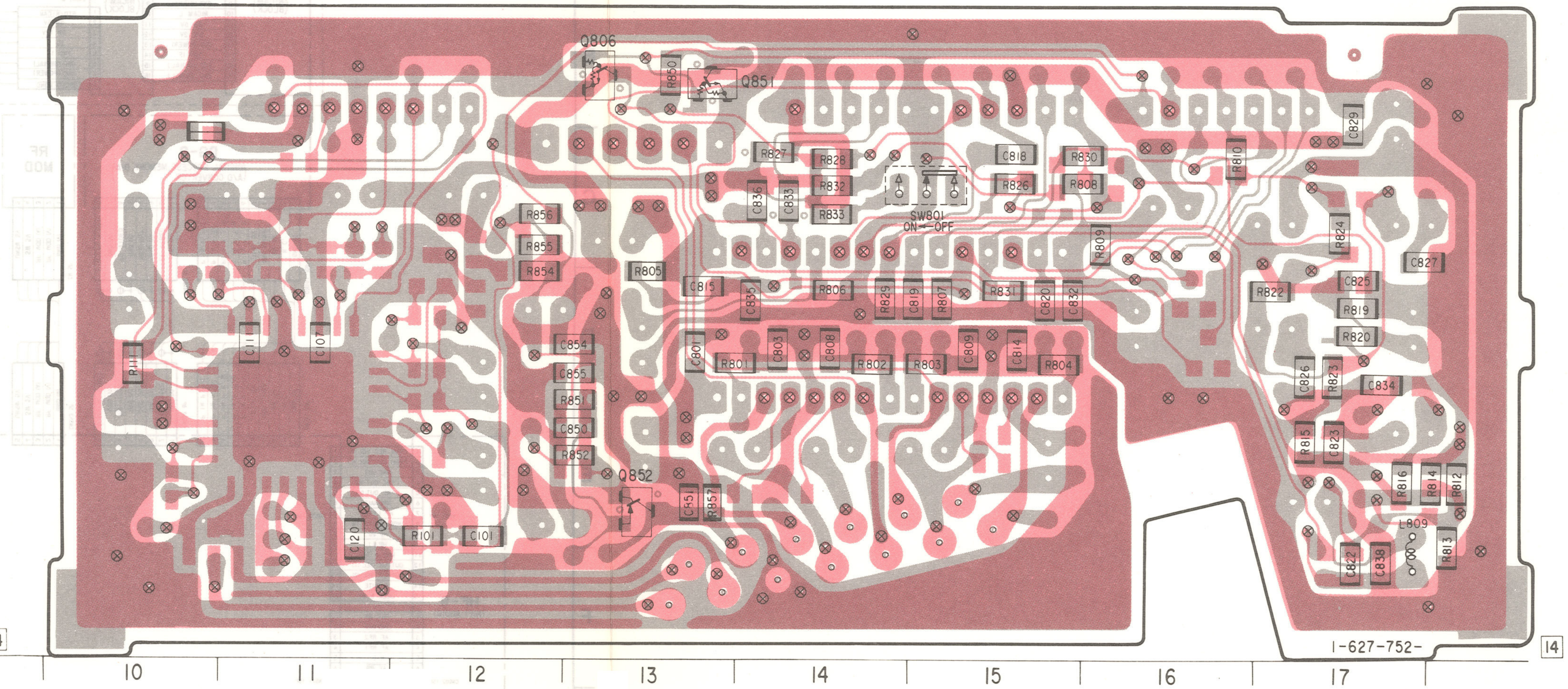
Note :
Conductor side : Parts on the conductor side being seen from the conductor are stated.
Component side : Parts on the component side being seen from the component are stated.

RP-63 B




CN101
Q854
L851
L101
C108
L102
C121
Q101
R120
C857
C858
L850
R108
R107
C112
Q853
C104
R106
IC101
R124
R140
R105
C853
C852
C114
R104
C102
R853
C113
C123
C856
R102
C103
D102
C119
C122
C117
C118
C116
C115
1-627-752-
14
6
7
8
9

RP-63 BOARD (CONDUCTOR SIDE)

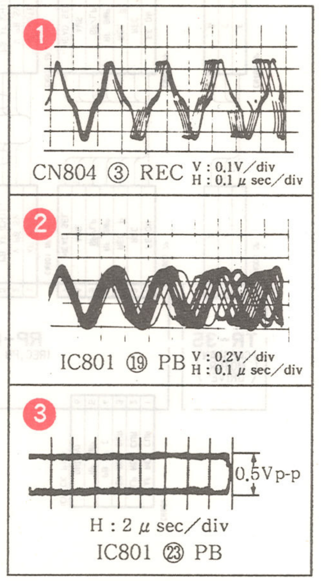

Q806
R850
Q851
R827
R828
R832
R833
C836
C833
SW801
ON ← OFF
C818
R826
R830
R808
R810
C829
R856
R855
R854
R805
C815
C835
R806
R829
C819
R807
R831
C820
C832
R809
R824
C827
R822
C825
R819
R820
R111
C111
C107
C854
C855
R851
C850
R852
C801
R801
C803
C808
R802
R803
C809
C814
R804
C826
R823
C834
R815
C823
R816
R814
R812
Q852
C45
R857
C120
R101
C101
L809
C822
C838
R813
1-627-752-
14
10
11
12
13
14
15
16
17

net side.

n from

en

RP-63 BOARD



①

CN804 ③ REC V : 0.1V/div H : 0.1 μ sec/div

②

IC801 ⑲ PB V : 0.2V/div H : 0.1 μ sec/div

③

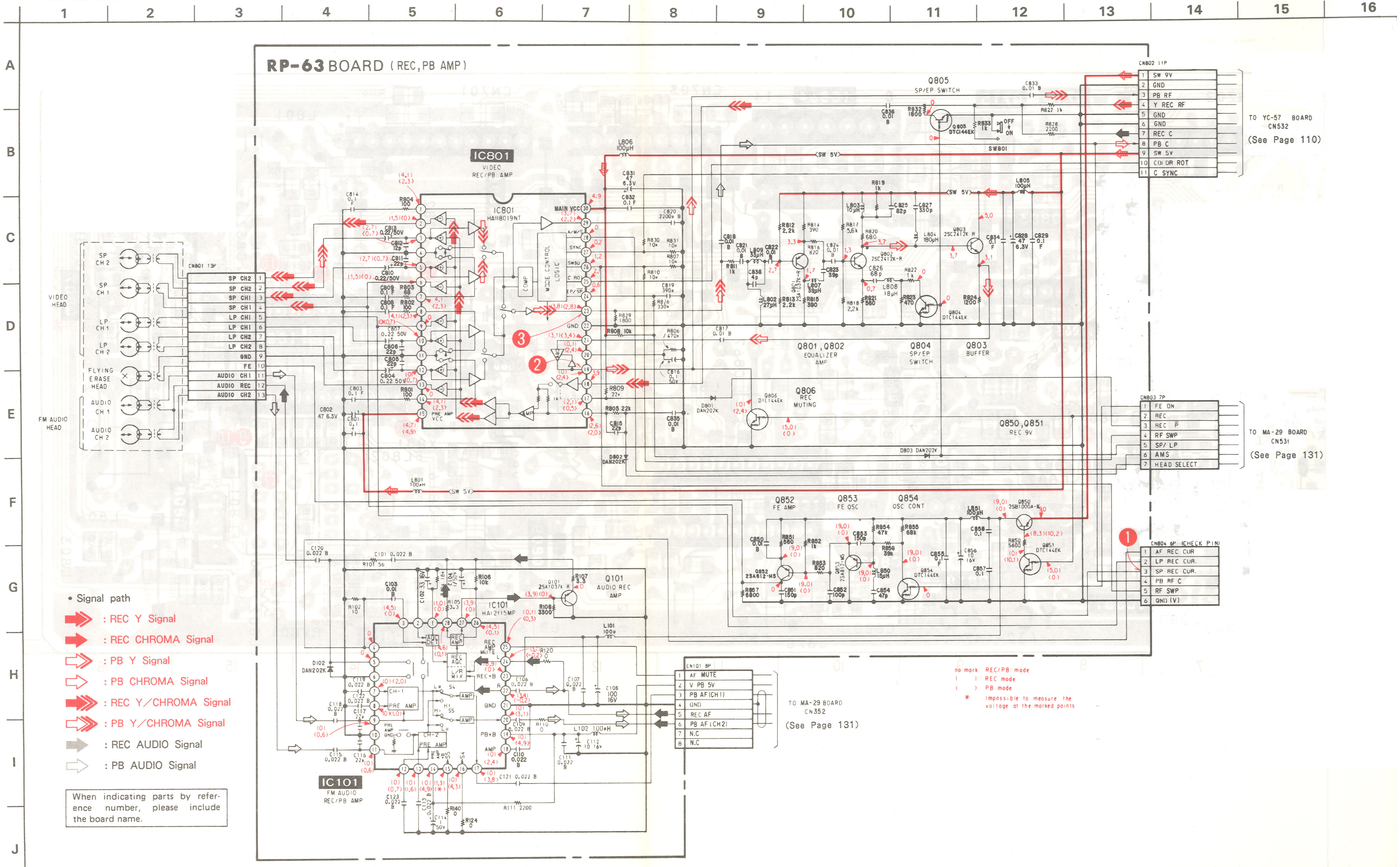
0.5Vp-p

H : 2 μ sec/div

IC801 ㉓ PB

IO-20 (I/O TERMINAL) PRINTED WIRING BOARDS
RP-63 (REC/PB AMP), IO-20 (I/O TERMINAL) SCHEMATIC DIAGRAMS

—Ref. No. RP-63 BOARD : 6,000 Series, IO-20 BOARD : 1,000 Series—

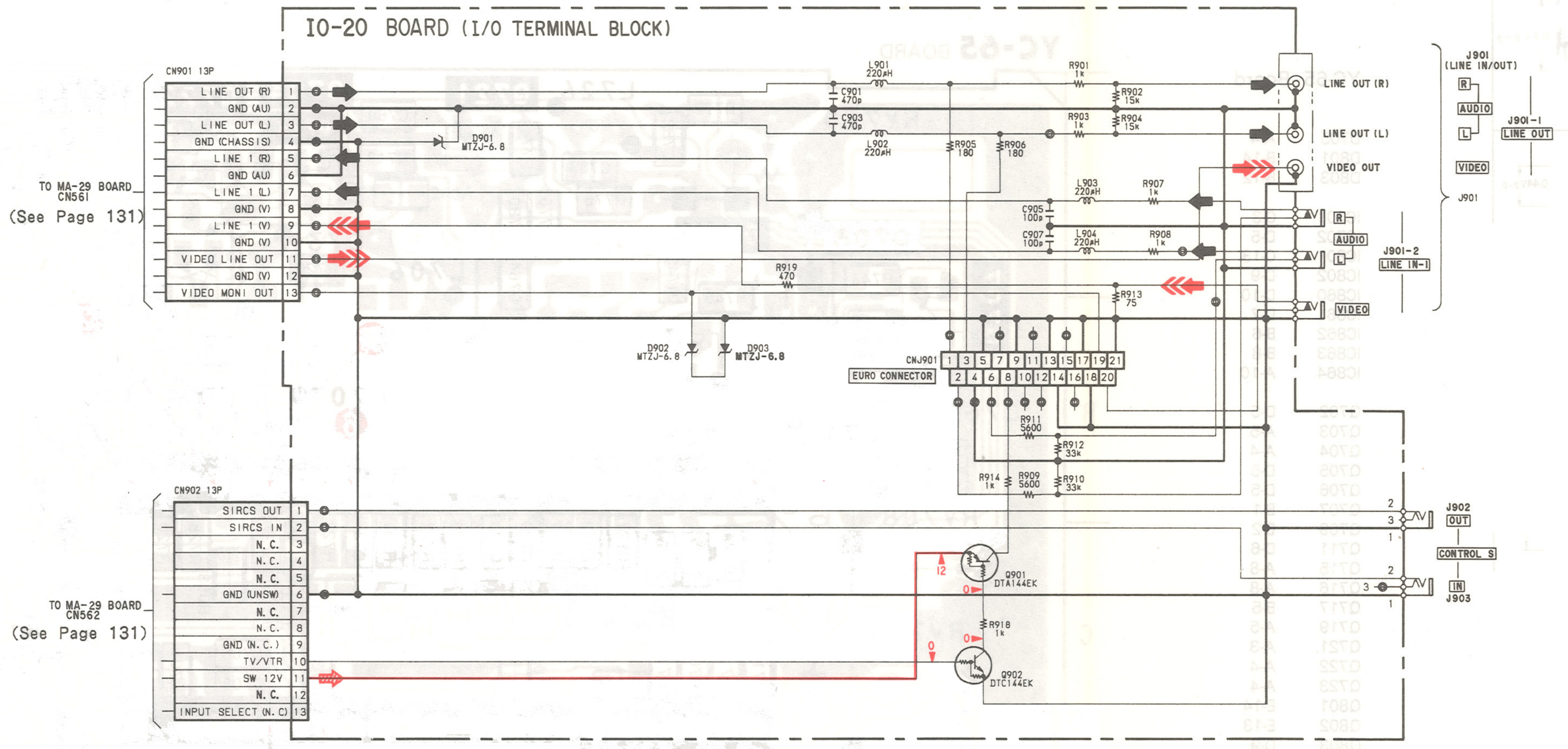

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
RP-63 BOARD (REC, PB AMP)
IC801
VIDEO REC/PB AMP
IC801 HA118019NT
MAIN VCC
A/M/S
SYNC
SW30
C RO
EP/SP
GND
MODE CONTROL LOGIC
COMP
PRE AMP VCC
AMP
VIDEO HEAD
SP CH2
SP CH1
LP CH1
LP CH2
FLYING ERASE HEAD
AUDIO CH1
AUDIO CH2
FM AUDIO HEAD
CN801 13P
SP CH2
SP CH2
SP CH1
SP CH1
LP CH1
LP CH1
LP CH2
LP CH2
GND
FE
AUDIO CH1
AUDIO REC
AUDIO CH2
Q805
SP/EP SWITCH
Q805 DTC144EK
SW801
OFF
ON
(SW 5V)
Q801, Q802
EQUALIZER AMP
Q804
SP/EP SWITCH
Q803
BUFFER
Q806
REC MUTING
Q806 DTC144EK
D801 DAN202K
D802 DAN202K
D803 DAN202K
Q850, Q851
REC 9V
Q852
FE AMP
Q853
FE OSC
Q854
OSC CONT
Q850 2SB1000A-K
Q851 DTC144EK
Q852 2SA812-M5
Q853 2SA812-M5
Q854 DTC144EK
Q802 2SC2412K-R
Q803 2SC2412K R
L801 100µH
(SW 5V)
CN802 11P
1 SW 9V
2 GND
3 PB RF
4 Y REC RF
5 GND
6 GND
7 REC C
8 PB C
9 SW 5V
10 COLOR ROT
11 C SYNC
TO YC-57 BOARD CN532
(See Page 110)
CN803 7P
1 FE ON
2 REC
3 REC P
4 RF SWP
5 SP/LP
6 AMS
7 HEAD SELECT
TO MA-29 BOARD CN531
(See Page 131)
CN804 6P (CHECK PIN)
1 AF REC CUR
2 LP REC CUR.
3 SP REC CUR.
4 PB RF C
5 RF SWP
6 GND (V)
Q101
AUDIO REC AMP
Q101 2SA1037K R
IC101 HA12115MP
IC101
FM AUDIO REC/PB AMP
AGC DET
REC AMP
REC AGC
L/R MIX
REC AMP MUTE
REC+B
CH-1
PRE AMP
CH-2
PRE AMP
PB AMP
AMP
GND
PB+B
D102 DAN202K
L101 100µ
L102 100µH
CN101 8P
1 AF MUTE
2 V PB 5V
3 PB AF (CH1)
4 GND
5 REC AF
6 PB AF (CH2)
7 N.C
8 N.C
TO MA-29 BOARD CN352
(See Page 131)
①
②
③

- Signal path
  - ➡ : REC Y Signal
  - ➡ : REC CHROMA Signal
  - ⇨ : PB Y Signal
  - ⇨ : PB CHROMA Signal
  - ➡ : REC Y/CHROMA Signal
  - ⇨ : PB Y/CHROMA Signal
  - ➡ : REC AUDIO Signal
  - ⇨ : PB AUDIO Signal

When indicating parts by reference number, please include the board name.

no mark REC/PB mode
( ) REC mode
〈 〉 PB mode
* Impossible to measure the voltage at the marked points

TO YC-57 BOARD
CN532
(See Page 110)


IO-20 BOARD (I/O TERMINAL BLOCK)
CN901 13P
LINE OUT (R)
GND (AU)
LINE OUT (L)
GND (CHASSIS)
LINE 1 (R)
GND (AU)
LINE 1 (L)
GND (V)
LINE 1 (V)
GND (V)
VIDEO LINE OUT
GND (V)
VIDEO MONI OUT
TO MA-29 BOARD CN561
(See Page 131)
D901 MTZJ-6.8
L901 220μH
C901 470p
C903 470p
L902 220μH
R901 1k
R902 15k
R903 1k
R904 15k
R905 180
R906 180
L903 220μH
R907 1k
C905 100p
C907 100p
L904 220μH
R908 1k
R919 470
R913 75
LINE OUT (R)
LINE OUT (L)
VIDEO OUT
J901 (LINE IN/OUT)
R
AUDIO
L
VIDEO
J901-1 LINE OUT
J901
J901-2 LINE IN-1
D902 MTZJ-6.8
D903 MTZJ-6.8
CNJ901
EURO CONNECTOR
R911 5600
R912 33k
R914 1k
R909 5600
R910 33k
CN902 13P
SIRCS OUT
SIRCS IN
N.C.
GND (UNSW)
GND (N.C.)
TV/VTR
SW 12V
INPUT SELECT (N.C)
TO MA-29 BOARD CN562
(See Page 131)
Q901 DTA144EK
R918 1k
Q902 DTC144EK
12
0
J902 OUT
CONTROL S
IN J903

TO MA-29 BOARD
CN531
(See Page 131)

• Signal path

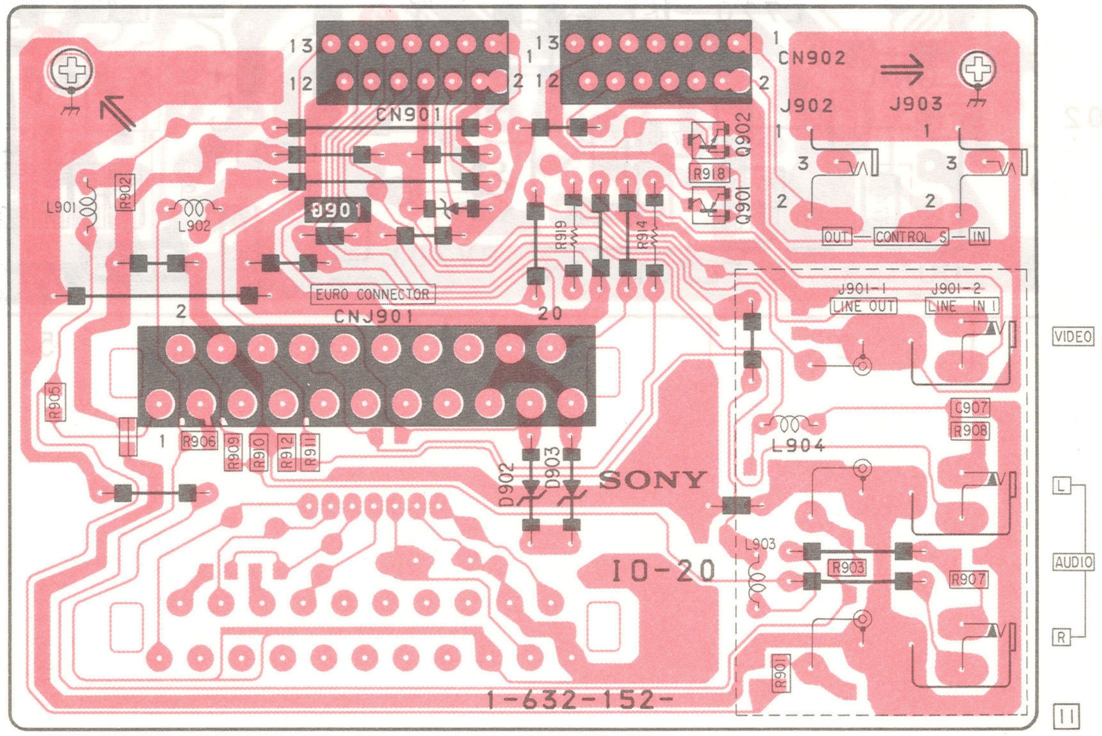
➡ : REC AUDIO Signal

➡ : REC Y/CHROMA Signal

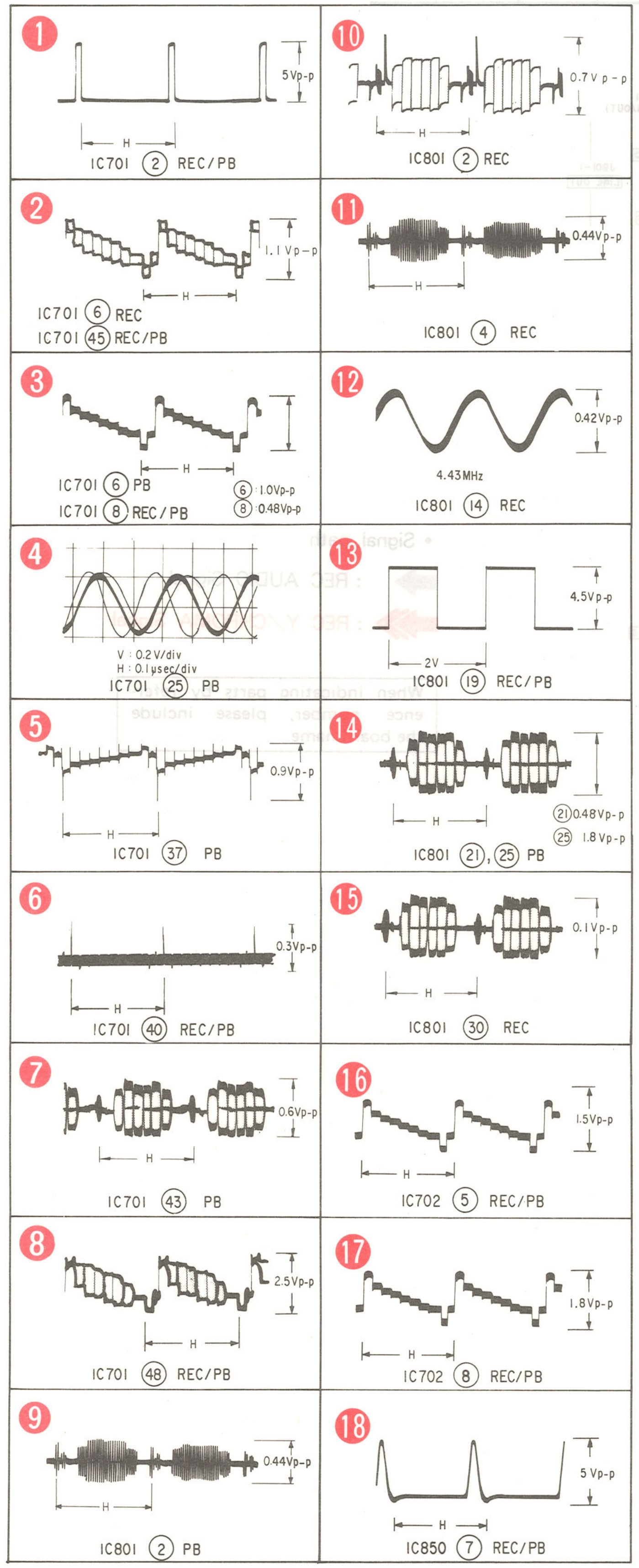
When indicating parts by reference number, please include the board name.

IO-20 (I/O TERMINAL) PRINTED WIRING BOARDS

IO-20 BOARD


CN901
CN902
J902
J903
Q901
Q902
D901
D902
D903
L901
L902
L903
L904
R902
R906
R909
R910
R911
R912
R903
R907
R908
R918
R919
R914
R901
C907
EURO CONNECTOR
CNJ901
OUT
CONTROL S
IN
J901-1 LINE OUT
J901-2 LINE IN I
VIDEO
L
AUDIO
R
SONY
IO-20
1-632-152-

YC-65 BOARD

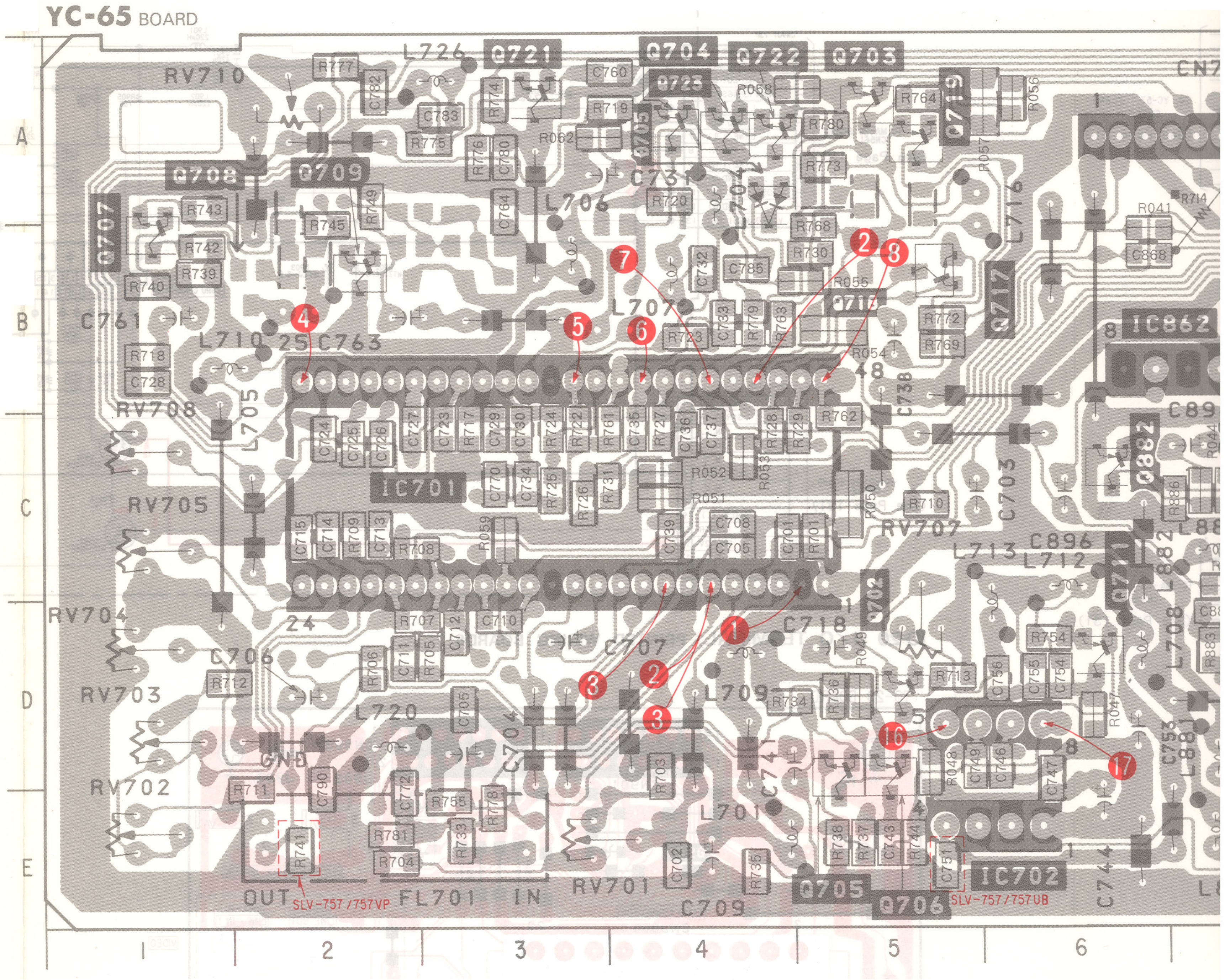


YC-65 Board

D705	A-4
D801	B-14
D803	B-12
IC701	C-3
IC702	D-5
IC801	C-13
IC802	D-9
IC860	D-10
IC861	D-7
IC862	B-6
IC863	B-8
IC864	A-10
Q702	D-5
Q703	A-5
Q704	A-4
Q705	D-5
Q706	D-5
Q707	B-1
Q709	B-2
Q711	D-6
Q715	A-8
Q716	A-8
Q717	B-5
Q719	A-5
Q721	A-3
Q722	A-4
Q723	A-4
Q801	E-14
Q802	E-13
Q803	D-9
Q804	B-12
Q805	B-16
Q806	B-13
Q807	B-16
Q808	C-15
Q809	E-13
Q810	D-9
Q811	C-12
Q812	C-12
Q852	B-15
Q860	C-13
Q862	C-10
Q880	D-7
Q881	C-7
Q882	C-6
Q883	B-8

YC-65 (VIDEO PROCESS) PRINTED WIRING BOARD

—Ref. No. YC-65 BOARD : 5,000 Series—


YC-65 BOARD
A
B
C
D
E
1
2
3
4
5
6
RV710
L726
Q721
Q704
Q722
Q703
Q723
CN7
R777
C782
C760
R774
R058
C783
R719
R764
R056
R775
R062
R780
Q705
Q719
R057
Q708
Q709
R776
C780
C731
R773
L716
R714
R041
Q707
R743
R749
R745
C764
L706
R720
L704
R768
C868
R742
R739
R740
R730
C732
C785
R055
C761
L707
Q715
Q717
R772
IC862
R718
L710
25
C763
R723
C733
R779
R763
R054
48
R769
C728
L705
C738
RV708
C724
C725
C726
C727
C723
R717
C729
C730
R724
R722
R761
C735
R727
C736
C737
R728
R729
R762
C89
Q882
R044
R052
R053
IC701
C770
C734
R725
R726
R731
R051
R050
R710
C703
R886
RV705
RV707
C715
C714
R709
C713
R708
R059
C739
C708
C705
C701
R701
L713
C896
L712
Q711
L882
L708
C88
RV704
24
R707
C712
C710
C718
Q702
R883
C706
C707
R754
R712
R706
C711
R705
R048
R713
C756
C755
C754
R047
RV703
C705
L709
R734
R736
C753
L881
L720
C704
GND
C790
R711
C772
R755
R778
R703
C741
R048
C749
C746
C747
RV702
L701
R741
R781
R733
R738
R737
C743
R744
C751
IC702
C744
R704
C702
R735
OUT
SLV-757/757VP
FL701
IN
RV701
C709
Q705
Q706
SLV-757/757UB
①
②
③
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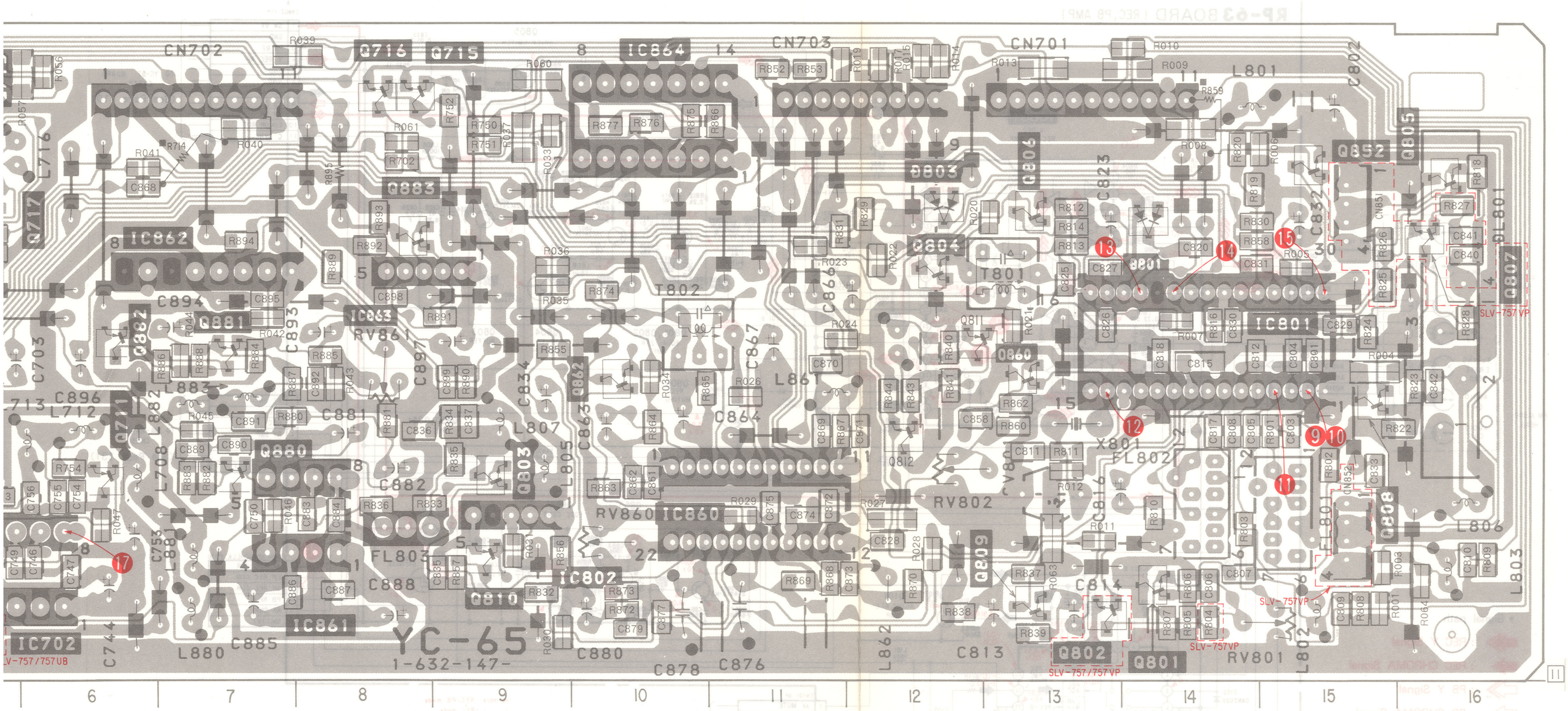
⑰


YC-65
1-632-147-
CN702
CN703
CN701
IC864
IC862
IC863
IC860
IC861
IC802
IC801
IC702
Q716
Q715
Q717
Q883
Q881
Q882
Q880
Q711
Q803
Q810
Q862
Q804
Q806
Q803
Q811
Q860
Q812
Q809
Q802
Q801
Q852
Q805
Q807
Q808
T802
T801
X801
FL802
FL803
FL801
DL801
RV861
RV860
RV802
RV801
L801
L803
L806
L802
L807
L805
L861
L862
L880
L881
L882
L883
L708
L712
L713
L716
C802
C823
C832
C896
C894
C893
C897
C834
C863
C864
C866
C867
C881
C882
C888
C885
C880
C878
C876
C813
C814
C816
C744
C753
C703
SLV-757/757UB
SLV-757/757VP
SLV-757VP
SLV-757VP
SLV-757/757VP
SLV-757VP
⑨
⑩
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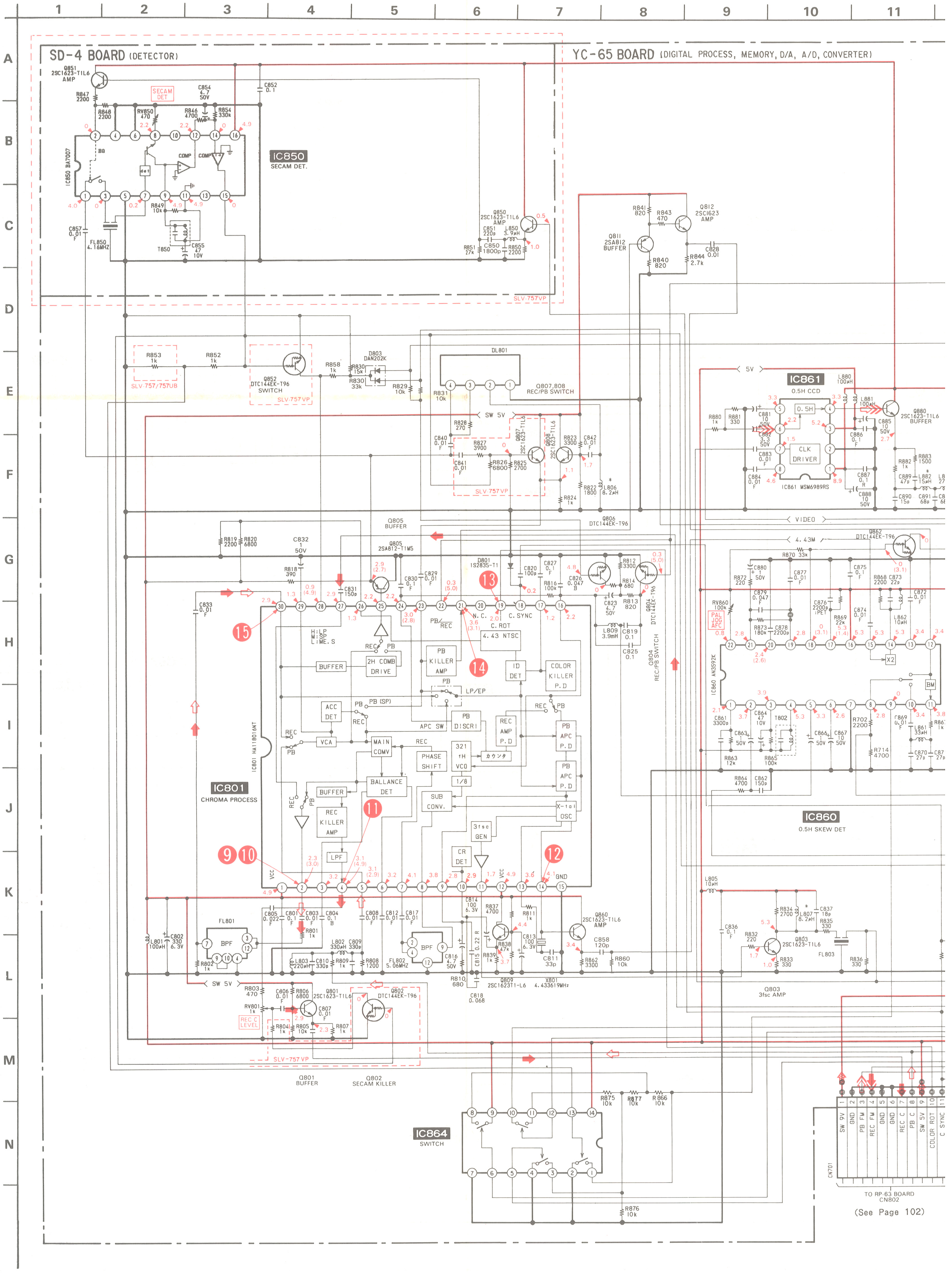
SD-4 PRINTED WIRING BOARD
YC-65 (VIDEO PROCESS), SD-4 SCHEMATIC DIAGRAMS

—Ref. No. YC-65 BOARD : 5,000 Series, SD-4 BOARD : 1,000 Series—


1
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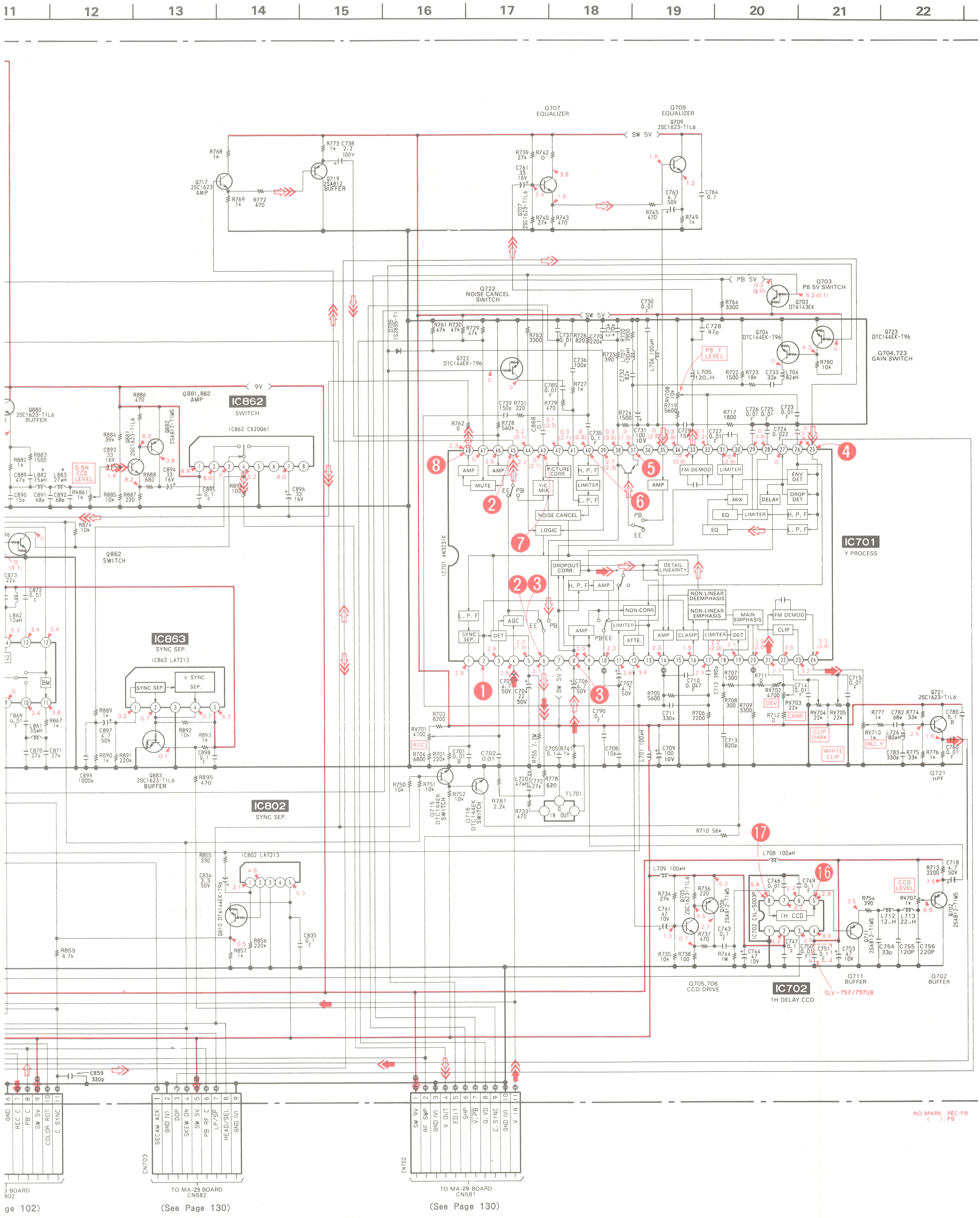
10
11
A
B
C
D
E
F
G
H
I
J
K
L
M
N
SD-4 BOARD (DETECTOR)
Q851 2SC1623-T1L6 AMP
SECAM DET
IC850
SECAM DET.
IC850 BA7007
FL850 4.16MHZ
T850
Q850 2SC1623-T1L6 AMP
SLV-757VP
YC-65 BOARD (DIGITAL PROCESS, MEMORY, D/A, A/D, CONVERTER)
Q811 2SA812 BUFFER
Q812 2SC1623 AMP
SLV-757/757UB
Q852 DTC144EK-T96 SWITCH
D803 DAN202K
DL801
Q807,808 REC/PB SWITCH
SW 5V
Q807 2SC1623-T1L6
Q808 2SC1623-T1L6
5V
IC861
0.5H CCD
0.5H
CLK DRIVER
IC861 MSM6989RS
Q880 2SC1623-T1L6 BUFFER
VIDEO
Q805 BUFFER
Q805 2SA812-T1M5
D801 1S2835-T1
Q806 DTC144EK-T96
Q804 DTC144EK-T96
Q804 REC/PB SWITCH
Q862 DTC144EK-T96
4.43M
PAL JOG AFC
IC860 AN3592K
X2
BM
IC860
0.5H SKEW DET
H: LP
M: SP
L: ME. S
BUFFER
2H COMB DRIVE
PB KILLER AMP
N.C.
C.ROT
C.SYNC
4.43 NTSC
ID DET
COLOR KILLER P.D
LP/EP
PB (SP)
ACC DET
APC SW
PB DISCRI
REC AMP P.D
PB APC P.D
VCA
MAIN CONV
PHASE SHIFT
321 fH VCO
カウンタ
1/8
BALLANCE DET
REC KILLER AMP
SUB CONV.
X-tal OSC
3fsc GEN
CR DET
LPF
IC801 HA11801ENT
IC801
CHROMA PROCESS
VCC
GND
FL801
BPF
FL802 5.06MHZ
X801 4.433619MHz
Q809 2SC1623T1-L6
Q860 2SC1623-T1L6 AMP
Q803 2SC1623-T1L6
Q803 3fsc AMP
FL803
Q801 2SC1623-T1L6
Q802 DTC144EK-T96
REC C LEVEL
SLV-757VP
Q801 BUFFER
Q802 SECAM KILLER
IC864
SWITCH
CN701
SW 9V
GND
PB FM
REC FM
GND
GND
REC C
PB C
SW 5V
COLOR ROT
C SYNC
TO RP-63 BOARD CN802
(See Page 102)



11
12
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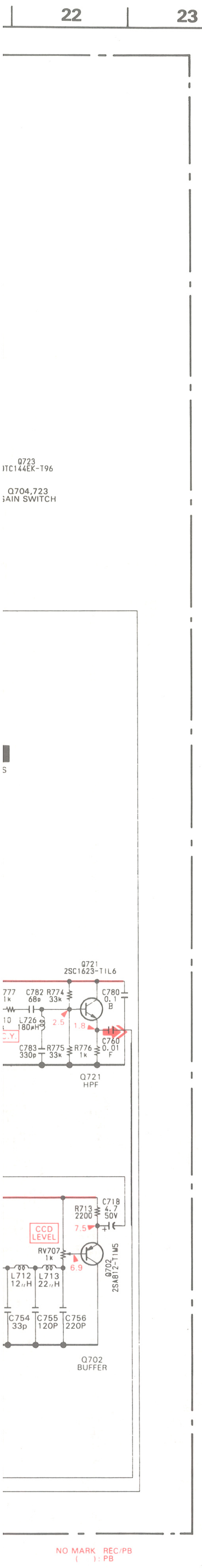
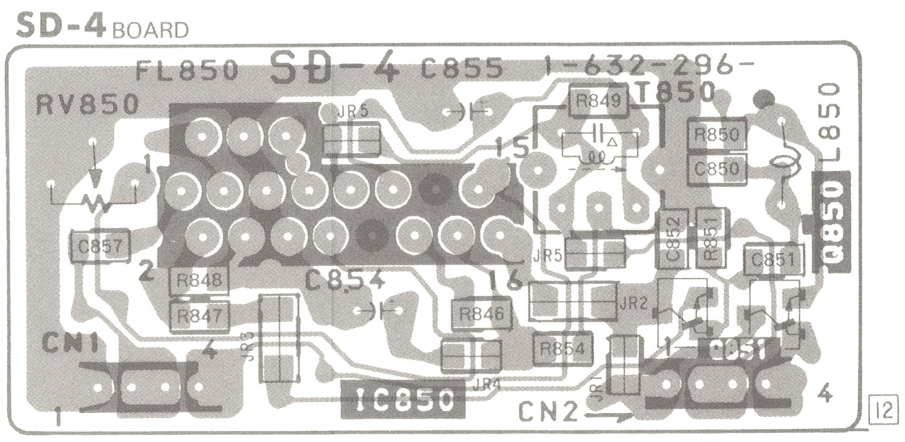
16
17
18
19
20
21
22
Q707 EQUALIZER
Q709 EQUALIZER
Q709 2SC1623-T1L6
SW 5V
Q717 2SC1623 AMP
Q719 2SA812 BUFFER
Q707 2SC1623-T1L6
Q722 NOISE CANCEL SWITCH
Q722 DTC144EK-T96
PB 5V
Q703 PB 5V SWITCH
Q703 DTA143EK
Q704 DTC144EK-T96
Q723 DTC144EK-T96
Q704,723 GAIN SWITCH
PB Y LEVEL
D705 1S2835-T1
9V
Q880 2SC1623-T1L6 BUFFER
Q881,882 AMP
IC862 SWITCH
IC862 CX20061
0.5H CCD LEVEL
Q862 SWITCH
IC701 AN3231K
IC701 Y PROCESS
AMP
MUTE
EE
PB
Y/C MIX
PICTURE CORR.
H. P. F
LIMITER
L. P. F
NOISE CANCEL
LOGIC
FM DEMOD
ENV DET
DROP DET
MIX
DELAY
EQ
DROPOUT CORR.
DETAIL LINEARITY
NON-LINEAR DEEMPHASIS
NON-LINEAR EMPHASIS
MAIN EMPHASIS
NON-CORR
AGC
SYNC SEP.
DET
ATTE.
CLAMP
CLIP
IC863 SYNC SEP.
IC863 LA7213
V SYNC SEP.
Q883 2SC1623-T1L6 BUFFER
IC802 SYNC SEP.
IC802 LA7213
Q810 DTA144EK-T96
AGC
DEV
CARR.
CLIP DARK
WHITE CLIP
REC Y
Q715 DTC144EK SWITCH
Q716 DTC144EK SWITCH
FL701
Q721 2SC1623-T1L6
Q721 HPF
Q705 2SC1623-T1L6
Q706 2SA812-T1M5
Q705,706 CCD DRIVE
IC702 CXL-5003P
1H CCD
IC702 1H DELAY CCD
SLV-757/757UB
CCD LEVEL
Q711 2SA812-T1M5
Q711 BUFFER
Q702 2SA812-T1M5
Q702 BUFFER
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑯ ⑰
GND
REC C
PB C
SW 5V
COLOR ROT
C SYNC
3 BOARD
802
ge 102)
CN703
SECAM ACK
GND (V)
DOP
SKEW ON
SW 5V
PB RF C
LP/SP
HEAD/SEL
GND (V)
TO MA-29 BOARD CN582
(See Page 130)
CN702
SW 9V
RF SWP
GND (V)
V OUT
EDIT
SHP
V. PB
G. VD
C. SYNC
GND (V)
V IN
TO MA-29 BOARD CN581
(See Page 130)
NO MARK : REC/PB
( ) : PB

VIDEO PROCESS VIDEO PROCESS


22
23
Q723
DTC144EK-T96
Q704,723
GAIN SWITCH
Q721
2SC1623-TIL6
777
1k
C782
68p
R774
33k
C780
0.1
B
10
L726
180μH
Y.C.
2.5
1.8
C783
330p
R775
33k
R776
1k
C760
0.01
F
Q721
HPF
C718
4.7
50V
R713
2200
CCD LEVEL
7.5
RV707
1k
6.9
Q702
2SA812-T1M5
L712
12μH
L713
22μH
C754
33p
C755
120P
C756
220P
Q702
BUFFER
NO MARK REC/PB
( ): PB

SLV-757VP ONLY

SD-4 PRINTED WIRING BOARD


SD-4 BOARD
FL850
SD-4
C855
1-632-296-
T850
RV850
JR5
R849
R850
C850
L850
Q850
C857
R848
R847
C854
R846
JR5
C852
R851
C851
JR2
R854
CN1
JR3
IC850
JR4
JR1
CN2
1
2
4
15
16
4
12

- Signal path

➡➡ : REC Y／CHROMA Signal

➡➡ : REC Y Signal

⇨⇨ : PB Y Signal

➡ : REC CHROMA Signal

⇨ : PB CHROMA Signal

⇨⇨ : PB Y／CHROMA Signal

When indicating parts by reference number, please include the board name.

For printed wiring boards :

- o— : indicates a lead wire mounted on the componet side.
- ⊗ : Through hole..
- ▨ : Pattern from the side which enables seeing.
- 🟥 : Pattern of the rear side.

Note :

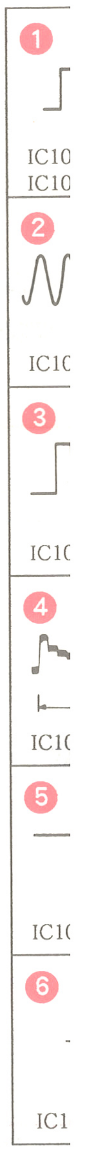
Conductor side : Parts on the conductor side being seen from the conductor are stated.

Component side : Parts on the component side being seen from the component are stated.

DG-2 Board

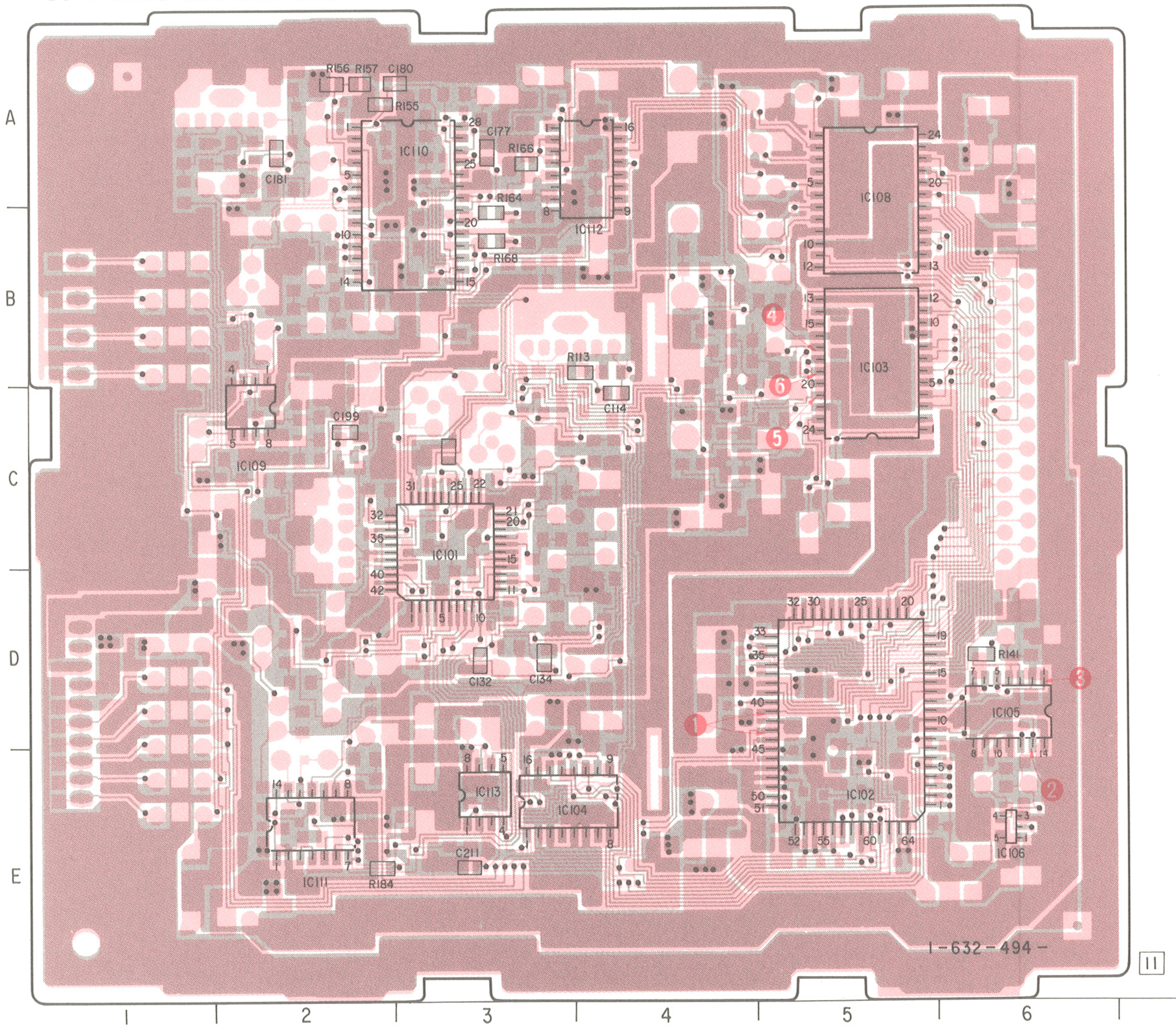
D101	E-9
D102	D-12
IC101	C-3
IC102	D-5
IC103	B-5
IC104	E-3
IC105	D-6
IC106	E-6
IC107	B-8
IC108	A-5
IC109	C-2
IC110	A-2
IC111	E-2
IC112	A-4
IC113	E-3
Q101	B-9
Q102	C-9
Q103	C-9
Q104	D-12
Q105	E-10
Q106	A-10
Q107	B-10
Q108	C-11
Q109	D-12
Q111	C-10
Q112	C-12

DG-2
(REM

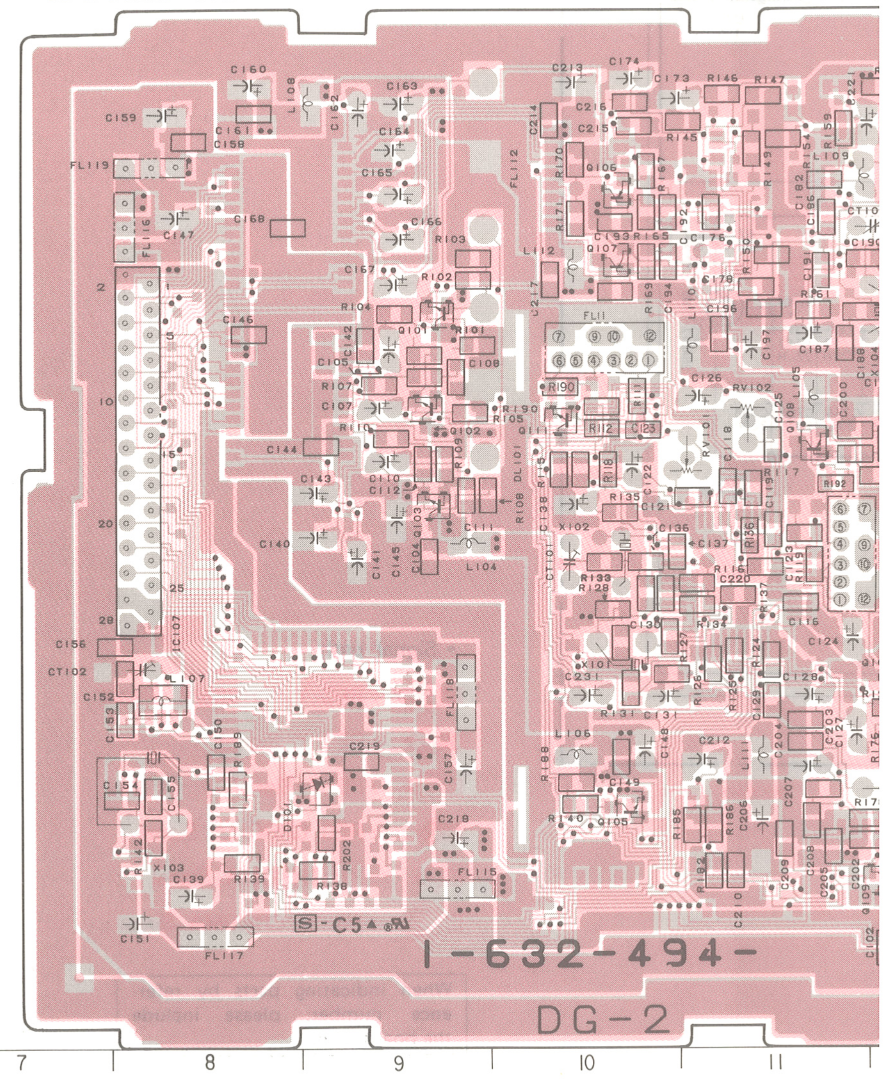


DG-2 (DIGITAL PROCESS) PRINTED WIRING BOARD

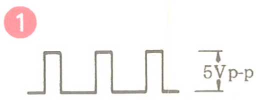
DG-2 BOARD (COMPONENT SIDE)


A
B
C
D
E
1
2
3
4
5
6
IC110
IC108
IC103
IC112
IC109
IC101
IC102
IC105
IC106
IC113
IC104
IC111
R156 R157 C180
R155
C177
R166
R164
R158
C181
R113
C114
C199
C132
C134
C211
R184
R141
1-632-494-
11

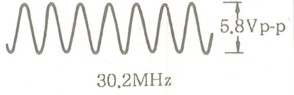
DG-2 BOARD (CONDUCTOR SIDE)


7
8
9
10
11
FL119
FL116
FL117
FL115
FL112
FL111
C159
C160
C161
C158
C163
C164
C165
C213
C174
C173
R145
R147
C216
C215
Q106
C147
C146
C105
C107
C144
C143
C140
C156
CT102
C152
C153
C154
X103
X102
X101
RV102
R190
R135
R128
R140
Q105
Q107
Q101
L104
L105
L107
L108
S-C54
1-632-494-
DG-2

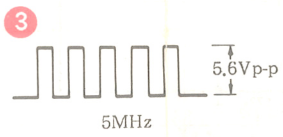
DG-2 BOARD
(REMOTE CONTROL P IN P : ON)



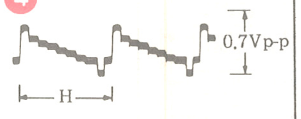
IC102 ㊶ E-E (PinP : ON)
IC102 ㊸ E-E (PinP : ON)



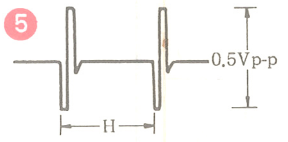
IC105 ⑬ E-E (PinP : ON)



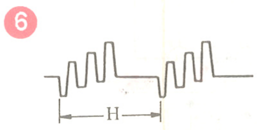
IC105 ① E-E (PinP : ON)



IC103 ⑰ E-E (PinP : ON)



IC103 ㉑ E-E (PinP : ON)



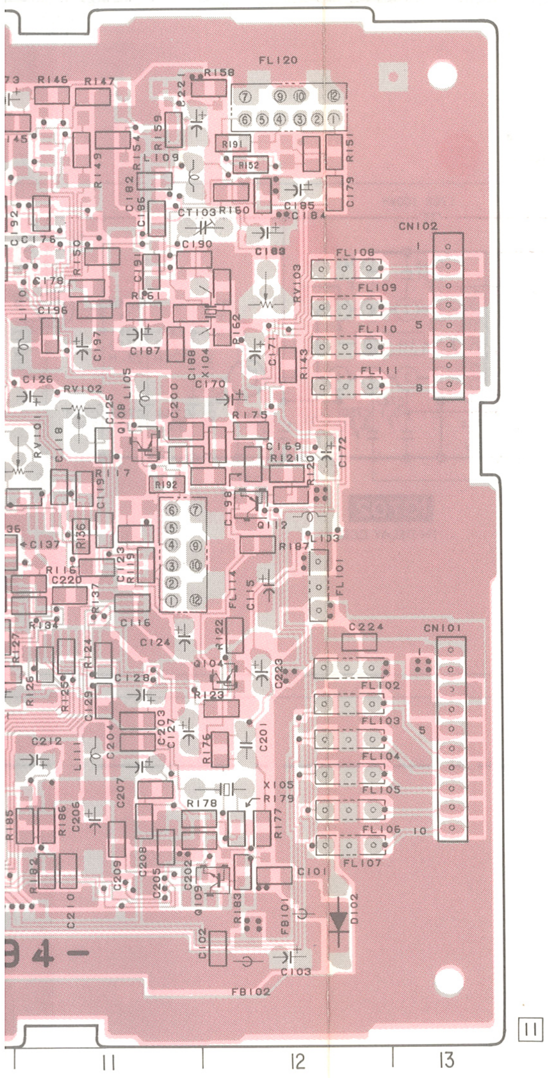
IC103 ⑲ E-E (PinP : ON)

Board

E-9
D-12

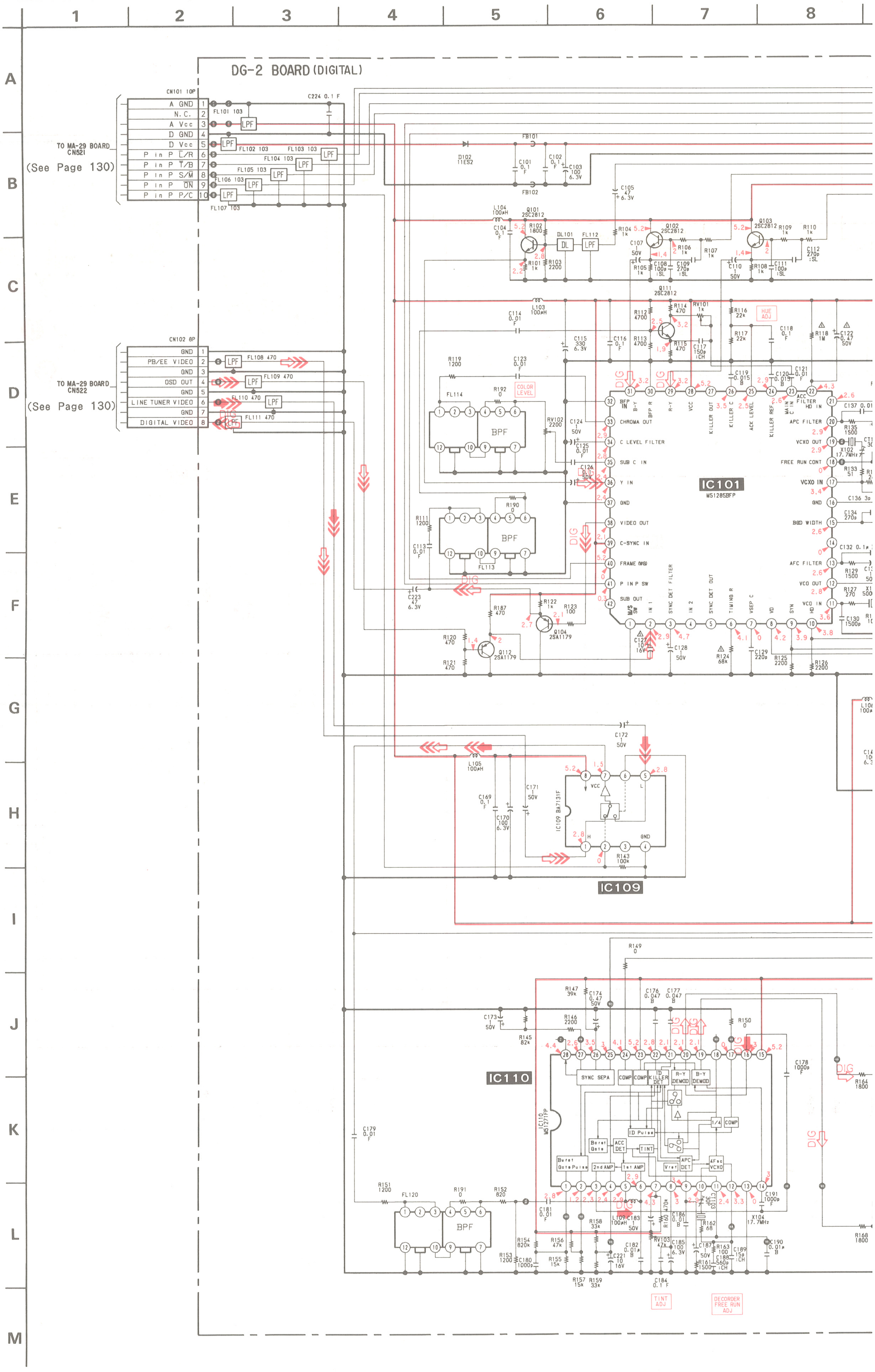
C-3
D-5
B-5
E-3
D-6
E-6
B-8
A-5
C-2
A-2
E-2
A-4
E-3

B-9
C-9
C-9
D-12
E-10
A-10
B-10
C-11
D-12
C-10
C-12


FL120
R145
R147
R158
R191
R152
C195
C190
CN102
FL108
FL109
FL110
FL111
RV102
C170
R175
R192
C187
C186
C172
C188
C224
CN101
FL102
FL103
FL104
FL105
FL106
FL107
C201
C102
C103
FB102
X105
R178
D102
C101
11
12
13

DG-2 (DIGITAL PROCESS) PRINTED WIRING BOARD
DG-2 (DIGITAL PROCESS) SCHEMATIC DIAGRAM

—Ref. No. DG-2 BOARD : 9,000 Series—


1
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3
4
5
6
7
8
A
B
C
D
E
F
G
H
I
J
K
L
M
DG-2 BOARD (DIGITAL)
CN101 10P
A GND
N.C.
A Vcc
D GND
D Vcc
P in P L̄/R
P in P T̄/B
P in P S/M̄
P in P ŌN̄
P in P P/C
TO MA-29 BOARD CN521
(See Page 130)
FL101 103
FL102 103
FL103 103
FL104 103
FL105 103
FL106 103
FL107 103
LPF
C224 0.1 F
CN102 8P
GND
PB/EE VIDEO
GND
OSD OUT
GND
LINE TUNER VIDEO
GND
DIGITAL VIDEO
TO MA-29 BOARD CN522
(See Page 130)
FL108 470
FL109 470
FL110 470
FL111 470
FB101
FB102
D102 11ES2
C101 0.1 F
C102 0.1 F
C103 100 6.3V
C105 47 6.3V
L104 100μH
Q101 2SC2812
DL101
FL112
Q102 2SC2812
Q103 2SC2812
Q111 2SC2812
RV101 1k
HUE ADJ
COLOR LEVEL
L103 100μH
FL114
FL113
BPF
IC101
M51285BFP
BFP IN
B-Y
BFP R
R-Y
VCC
KILLER OUT
KILLER C
ACK LEVEL
KILLER REF.
MAIN C IN
ACC FILTER
HD IN
APC FILTER
VCXO OUT
FREE RUN CONT
VCXO IN
GND
BGD WIDTH
AFC FILTER
VCO OUT
VCO IN
CHROMA OUT
C LEVEL FILTER
SUB C IN
Y IN
GND
VIDEO OUT
C-SYNC IN
FRAME (WG)
P IN P SW
SUB OUT
M/S SW
IN 1
SYNC DET FILTER
IN 2
SYNC DET OUT
TIMING R
VSEP C
VD
SYN
HD
X102 17.7MHz
Q104 2SA1179
Q112 2SA1179
DIG
IC109
IC109 BA7131F
VCC
GND
L105 100μH
IC110
M51277FP
SYNC SEPA
COMP
KILLER DET
R-Y DEMOD
B-Y DEMOD
1/4
COMP
ID Pulse
Burst Gate
ACC DET
TINT
Burst Gate Pulse
2nd AMP
1st AMP
APC
V ref DET
4F sc VCXO
X104 17.7MHz
TINT ADJ
DECORDER FREE RUN ADJ

DIGITAL DIGITAL

- Signal path

DIG ➡ : WRITE Y Signal

DIG ➡ : WRITE CHROMA Signal

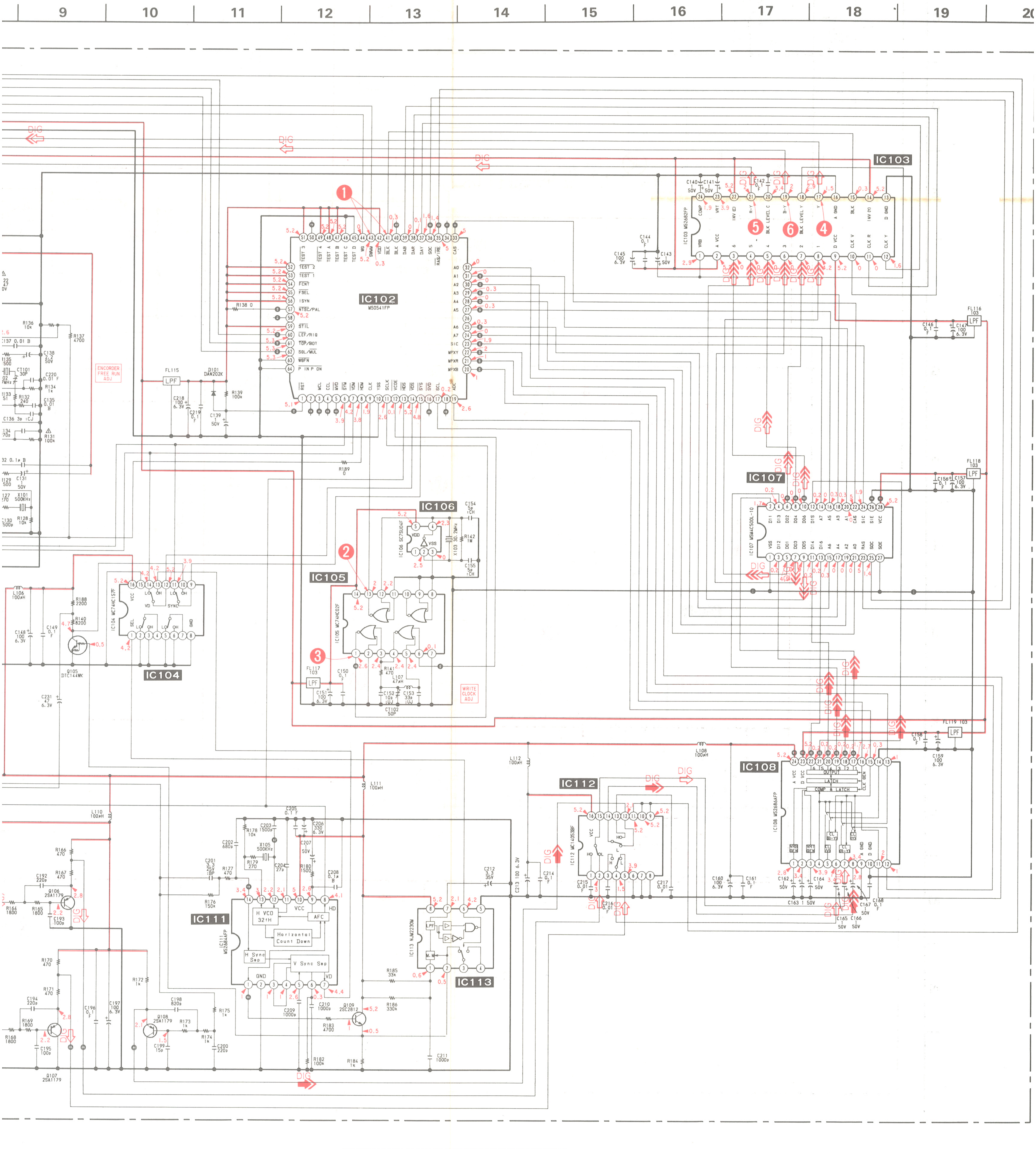
DIG ➡ : WRITE Y/CHROMA Signal

DIG ⇨ : READ Y Signal

DIG ⇨ : READ CHROMA Signal

DIG ⇨ : READ Y/CHROMA Signal

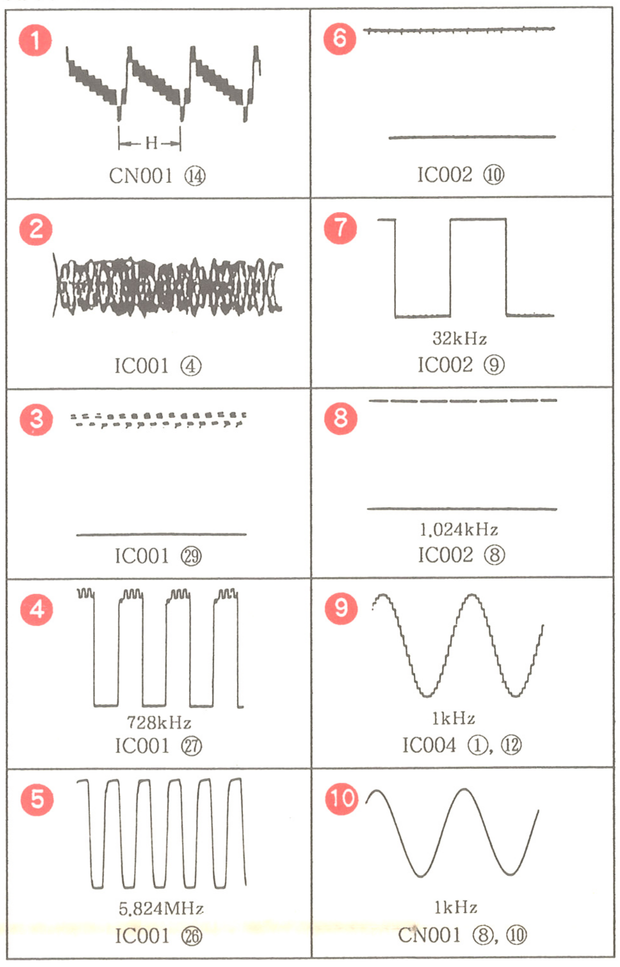
When indicating parts by reference number, please include the board name.



9
10
11
12
13
14
15
16
17
18
19
20
IC102
M50541FP
IC103
M52682FP
IC104
MC74HC157F
IC105
MC74HC02F
IC106
SC7S04F
IC107
M54C500L-10
IC108
M52686AFP
IC111
M52684FP
IC112
MC14053BF
IC113
NJM2230M
ENCORDER FREE RUN ADJ
WRITE CLOCK ADJ
LPF
DIG
H VCO 32fH
Horizontal Count Down
H Sync Sep
V Sync Sep
AFC
OUTPUT
LATCH
COMP & LATCH

DIGITAL DIGITAL

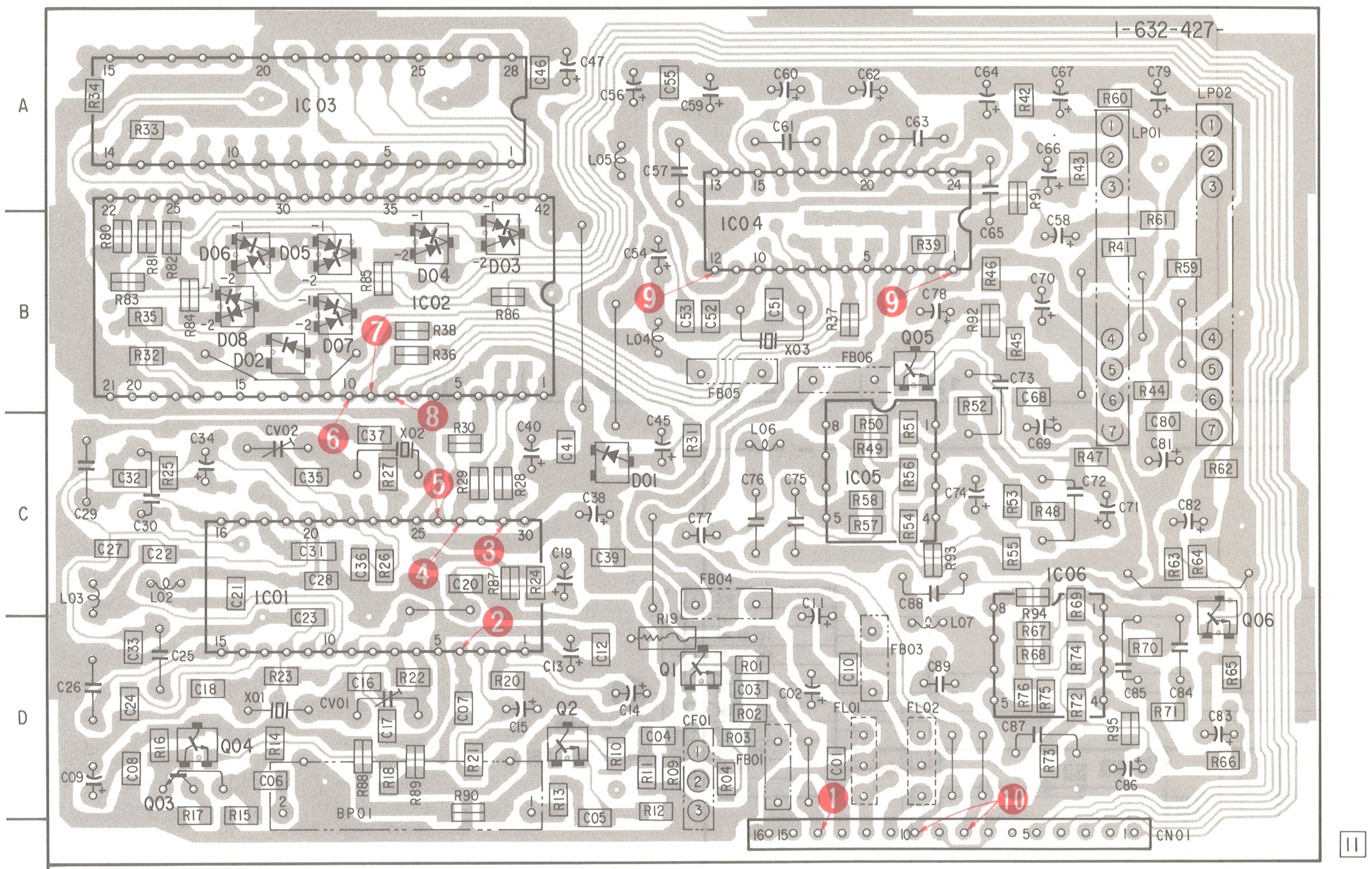
NA-7 BOARD



SLV-757NC/UB ONLY

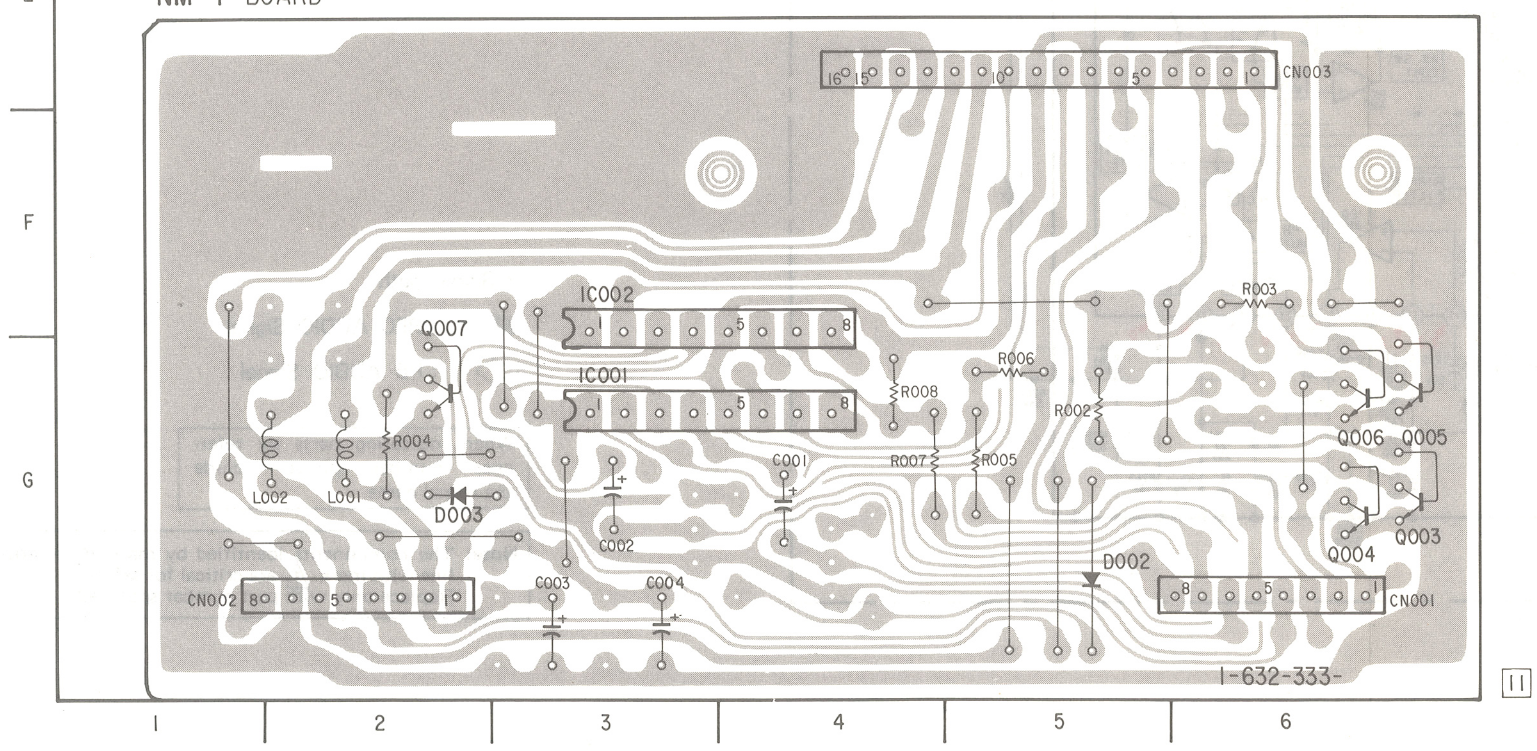
NA-7 (NAICAM), NM-1 (TRANSMISSION) PRINTED WIRING BOARDS

NA-7 BOARD



A
B
C
D
1-632-427-
IC03
IC04
IC02
IC01
IC05
IC06
Q01
Q02
Q03
Q04
Q05
Q06
D01
D02
D03
D04
D05
D06
D07
D08
CN01
LP01
LP02
X01
X02
X03
CV01
CV02
FB01
FB02
FB03
FB04
FB05
FB06
FL01
FL02
CF01
BP01
L01
L02
L03
L04
L05
L06
L07
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
11

NM-1 BOARD



E
F
G
CN003
IC002
IC001
Q007
Q006
Q005
Q004
Q003
D002
D003
L001
L002
R002
R003
R004
R005
R006
R007
R008
C001
C002
C003
C004
CN002
CN001
1-632-333-
11
1
2
3
4
5
6

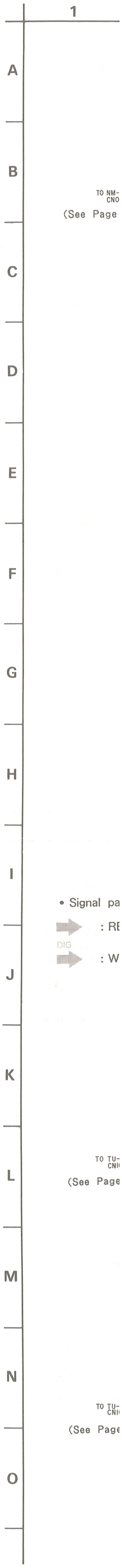
NA-7 Board

D001	C-3
D002	D-2
D003	B-3
D004	B-2
D005	B-2
D006	B-2
D007	B-2
D008	B-1
IC001	C-2
IC002	B-1
IC003	A-1
IC004	A-4
IC005	C-5
IC006	D-5
Q001	D-4
Q002	D-3
Q003	D-1
Q004	D-1
Q005	B-5
Q006	D-6

NM-1 Board

D002	G-5
D003	G-2
IC001	G-3
IC002	F-3
Q003	G-6
Q004	G-6
Q005	G-6
Q006	G-6
Q007	G-2

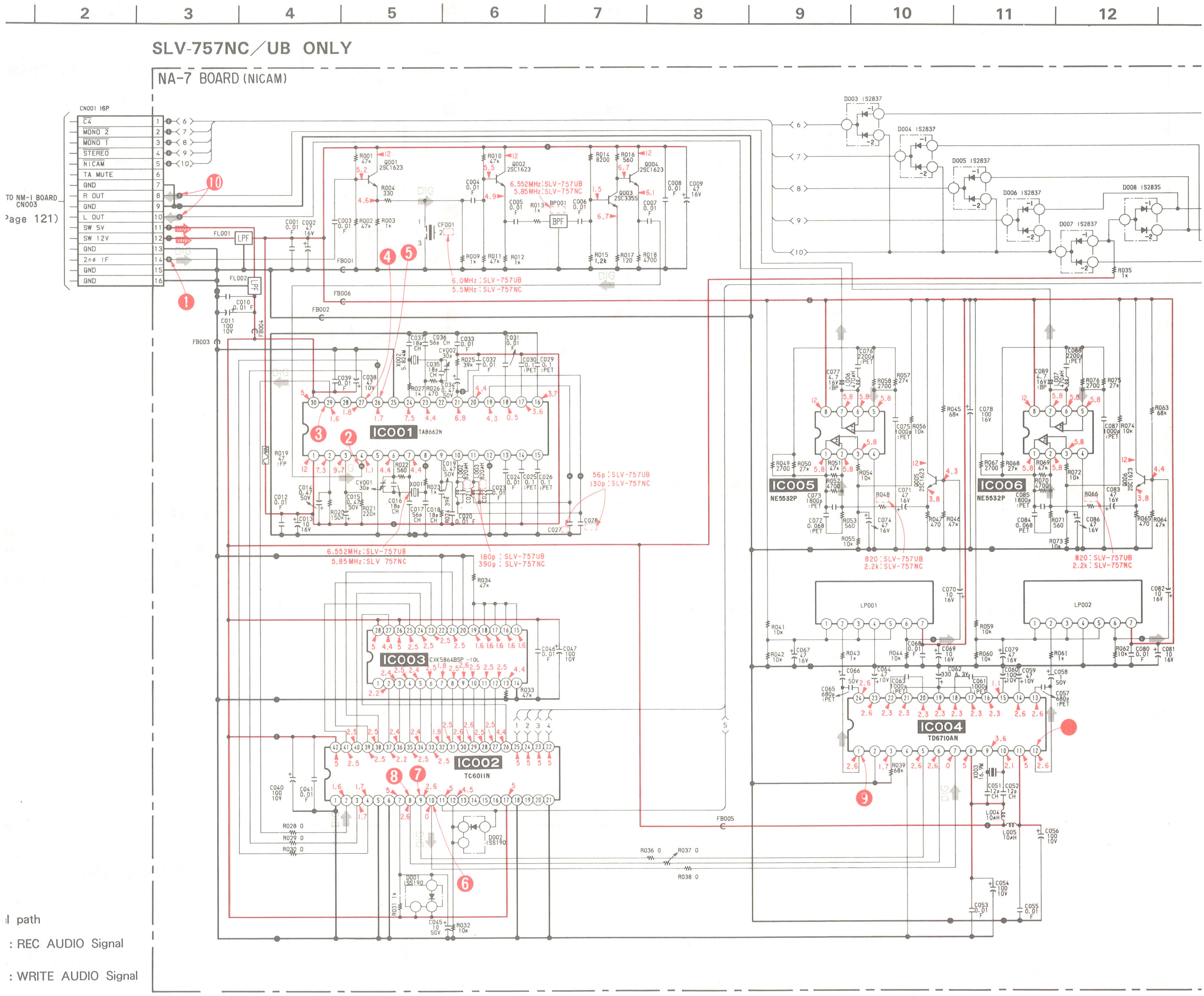
NA-7 (NAICA
NA-7 (NAICA
—Ref. No. NA-



1
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
TO NM-
CNO
(See Page
TO TU-
CNI
(See Page
TO TU-
CNI
(See Page

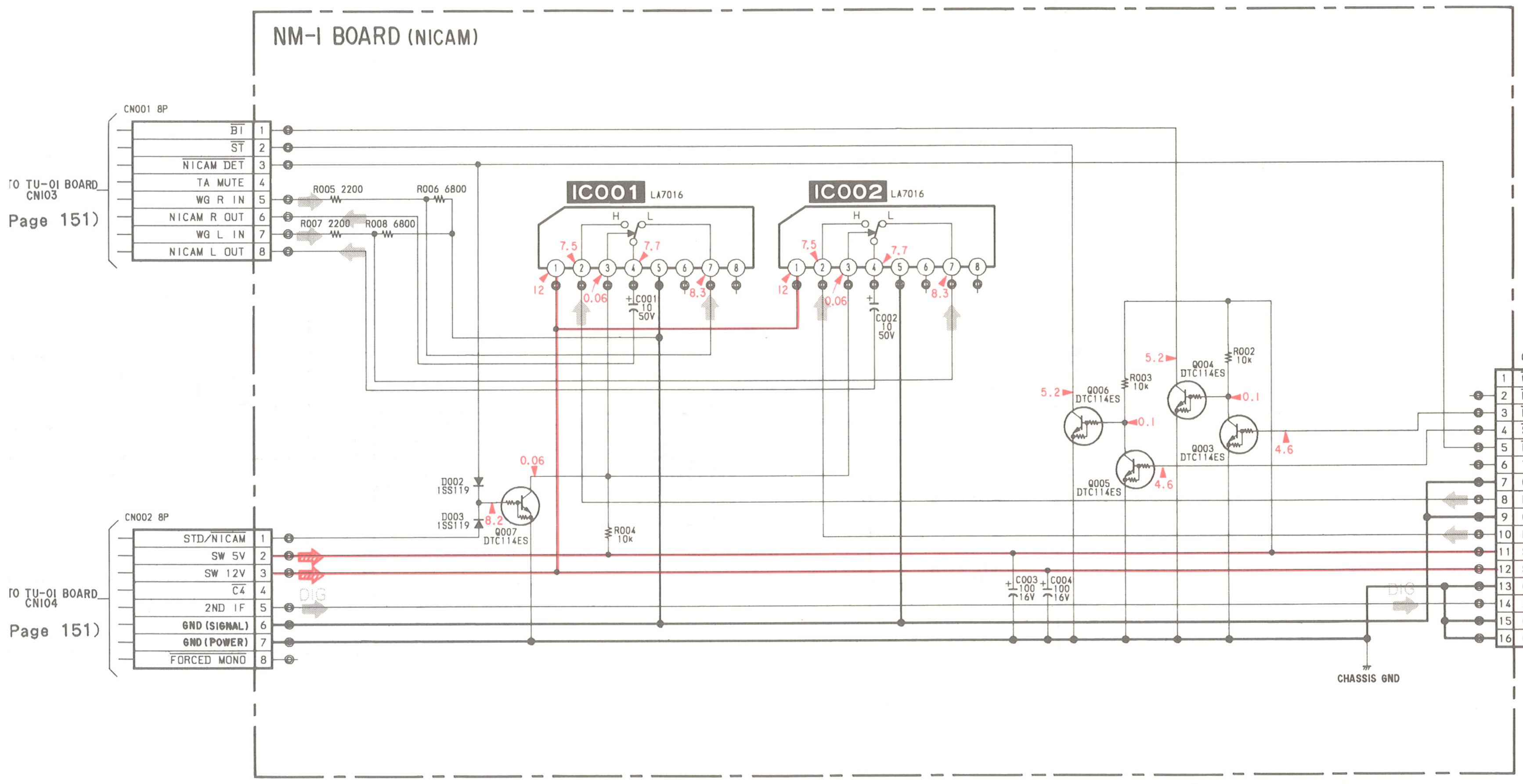
• Signal pa
: RF
DIG
: W

SLV-757NC/UB ONLY


2
3
4
5
6
7
8
9
10
11
12
NA-7 BOARD (NICAM)
CN001 16P
C4
MONO 2
MONO 1
STEREO
NICAM
TA MUTE
GND
R OUT
GND
L OUT
SW 5V
SW 12V
GND
2nd IF
GND
GND
TO NM-1 BOARD CN003
(Page 121)
FL001 LPF
FL002 LPF
Q001 2SC1623
Q002 2SC1623
Q003 2SC3355
Q004 2SC1623
CF001
BPF001 BPF
6.552MHz : SLV-757UB
5.85MHz : SLV-757NC
6.0MHz : SLV-757UB
5.5MHz : SLV-757NC
IC001 TA8662N
X002
X001
56p : SLV-757UB
130p : SLV-757NC
6.552MHz : SLV-757UB
5.85MHz : SLV 757NC
180p : SLV-757UB
390p : SLV-757NC
IC003 CXK5864BSP-10L
IC002 TC6011N
D001 1SS190
D002 1SS190
D003 1S2837
D004 1S2837
D005 1S2837
D006 1S2837
D007 1S2837
D008 1S2835
IC005 NE5532P
IC006 NE5532P
Q005 2SC1623
Q006 2SC1623
820 : SLV-757UB
2.2k : SLV-757NC
LP001
LP002
IC004 TD6710AN
X003
DIG

l path
: REC AUDIO Signal
: WRITE AUDIO Signal

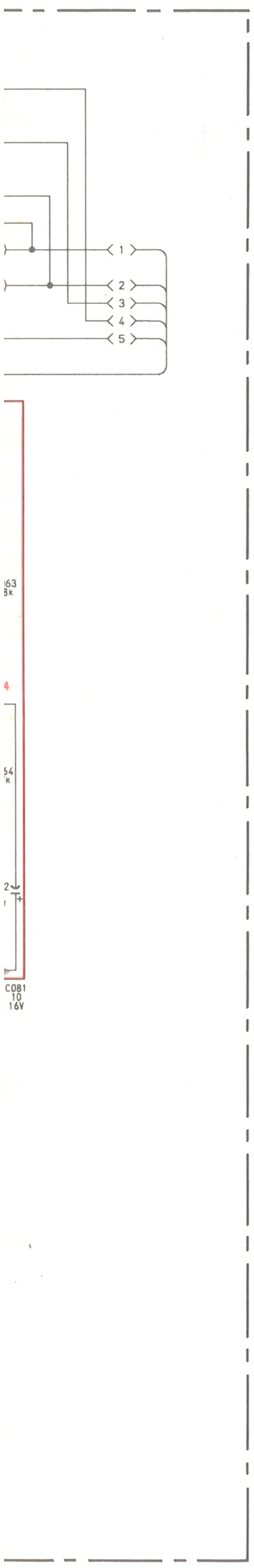
SLV-757NC/UB ONLY


NM-1 BOARD (NICAM)
CN001 8P
BT
ST
NICAM DET
TA MUTE
WG R IN
NICAM R OUT
WG L IN
NICAM L OUT
TO TU-01 BOARD CN103
Page 151)
IC001 LA7016
IC002 LA7016
CN002 8P
STD/NICAM
SW 5V
SW 12V
C4
2ND IF
GND (SIGNAL)
GND (POWER)
FORCED MONO
TO TU-01 BOARD CN104
Page 151)
Q003 DTC114ES
Q004 DTC114ES
Q005 DTC114ES
Q006 DTC114ES
Q007 DTC114ES
D002 1SS119
D003 1SS119
CN003 16P
C4
M2
M1
ST
NICAM DET
TA MUTE
GND (SIGNAL)
NICAM R
GND (SIGNAL)
NICAM L
SW 5V
SW 12V
GND (POWER)
2ND IF
GND (SIGNAL)
GND (SIGNAL)
TO NA-7 BOARD CN001
(See Page 120)
CHASSIS GND
DIG

• Signal pa
: R
DIG
: W

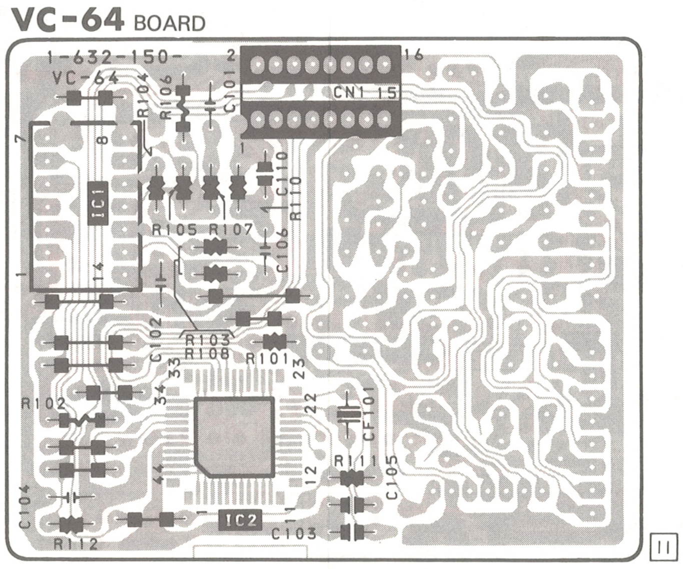
When indic
ence num
the board na

NICAM NICAM

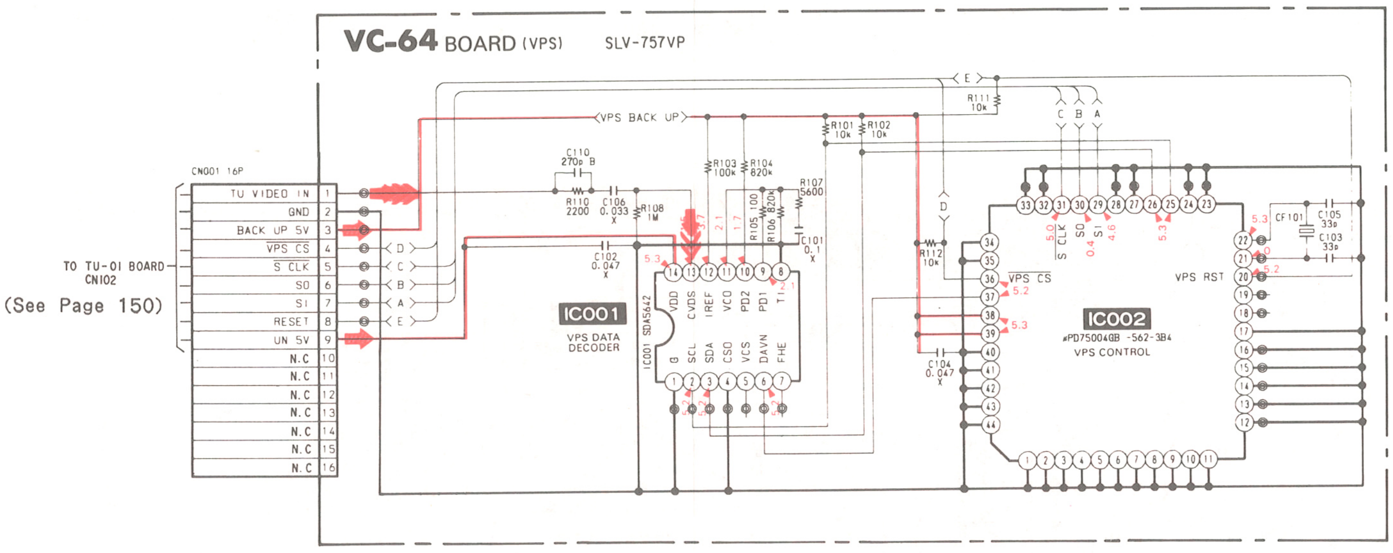

1
2
3
4
5
C081
10
16V

SLV-757VP ONLY

VC-64 PRINTED WIRING BOARD


VC-64 BOARD
1-632-150-
VC-64
2
16
CN1 15
R104
R106
C101
7
8
IC1
14
R105 R107
C110
R110
C106
C102
R103
R108
R101
34
33
23
22
R102
CF101
44
12
R111
C105
C104
R112
IC2
C103
11

SLV-757VP ONLY


VC-64 BOARD (VPS)
SLV-757VP
CN001 16P
TU VIDEO IN 1
GND 2
BACK UP 5V 3
VPS CS 4
S CLK 5
SO 6
SI 7
RESET 8
UN 5V 9
N.C 10
N.C 11
N.C 12
N.C 13
N.C 14
N.C 15
N.C 16
TO TU-01 BOARD CN102
(See Page 150)
D
C
B
A
E
VPS BACK UP
C110 270p B
R110 2200
C106 0.033 X
R108 1M
C102 0.047 X
R103 100k
R104 820k
R105 100
R106 820k
R107 5600
C101 0.1 X
R101 10k
R102 10k
R111 10k
R112 10k
C104 0.047 X
IC001
VPS DATA DECODER
IC001 SDA5642
VDD
CVDS
IREF
VCO
PD2
PD1
TI
G
SCL
SDA
CSO
VCS
DAVN
FHE
5.3
3.7
2.1
1.7
5.2
IC002
μPD75004GB -562-3B4
VPS CONTROL
S CLK
SO
SI
VPS CS
VPS RST
5.0
0.4
4.6
5.3
0
5.2
CF101
C105 33p
C103 33p

- Signal path

🟥 : REC Y／CHROMA Signal

gnal path

: REC AUDIO Signal

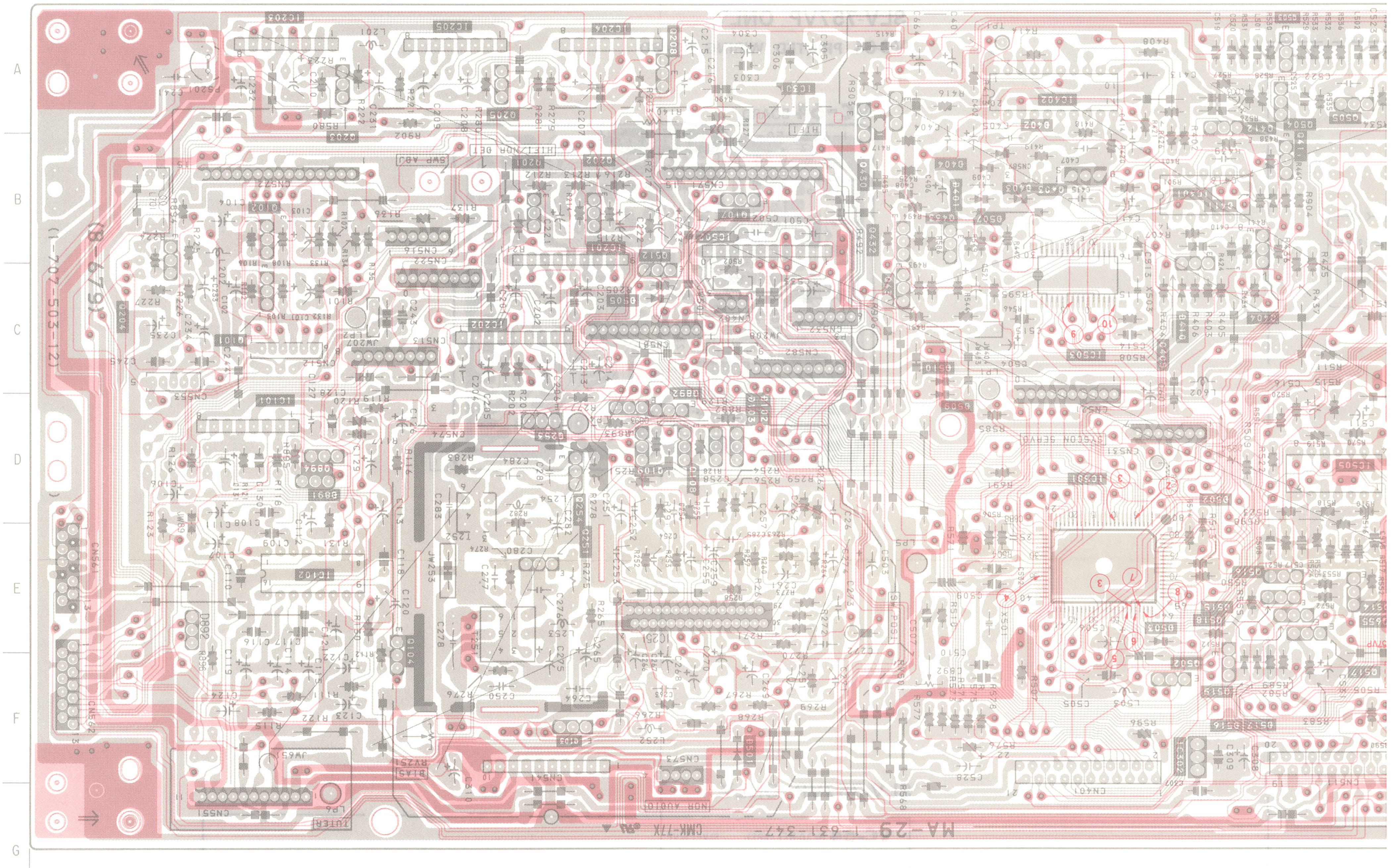
: WRITE AUDIO Signal

n indicating parts by refer-
: number, please include
board name.

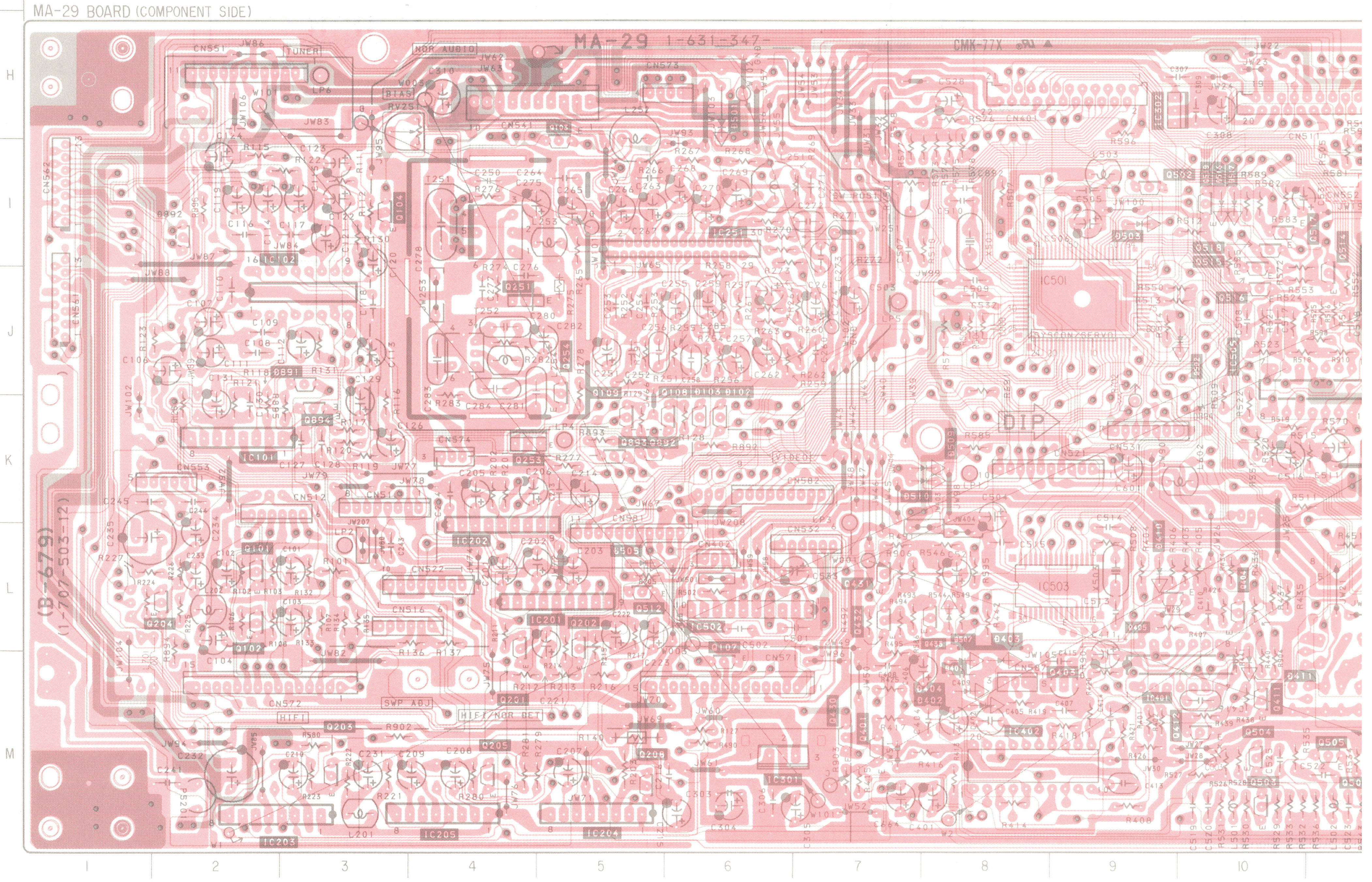
MA-29 (AUDIO, SERVO SYSTEM CONTROL), TR-35 (CAPSTAN MOTOR DRIVE), CM-14 PRINTED WIRING BOARDS
MA-29 (2/2) (AUDIO) SCHEMATIC DIAGRAM

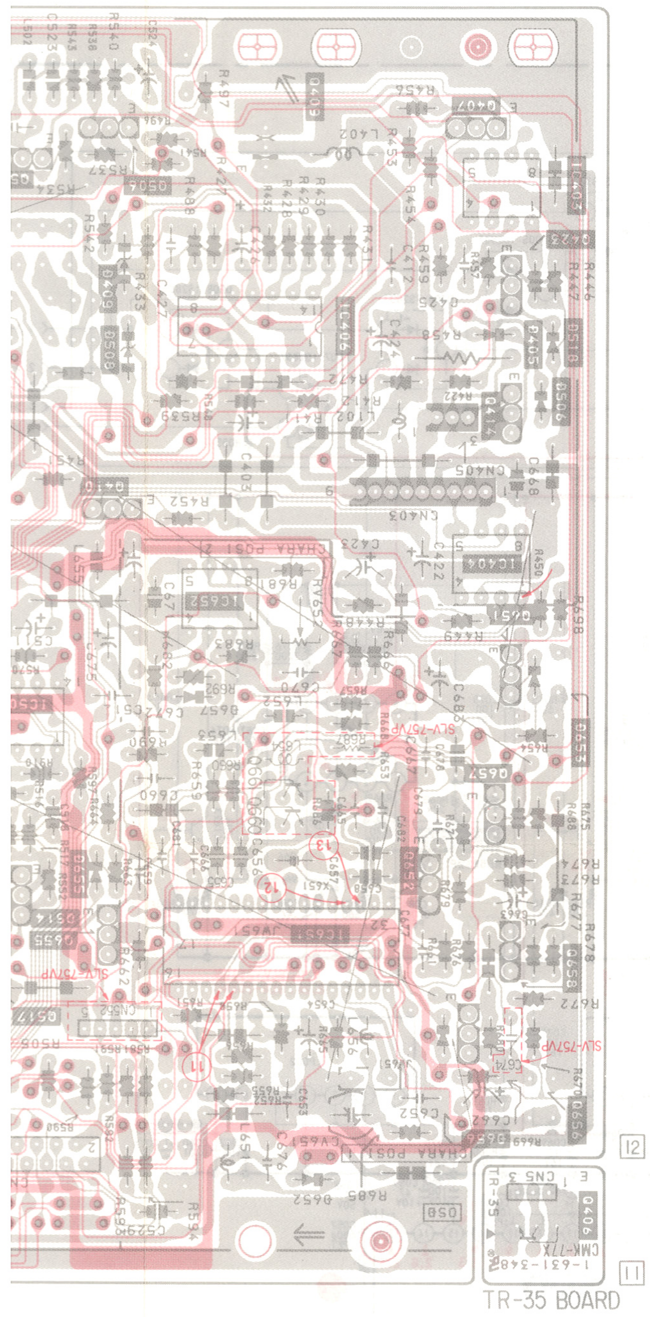
—Ref. No. MA-29 BOARD : 3,000 Series, TR-35 BOARD : 8,000 Series—

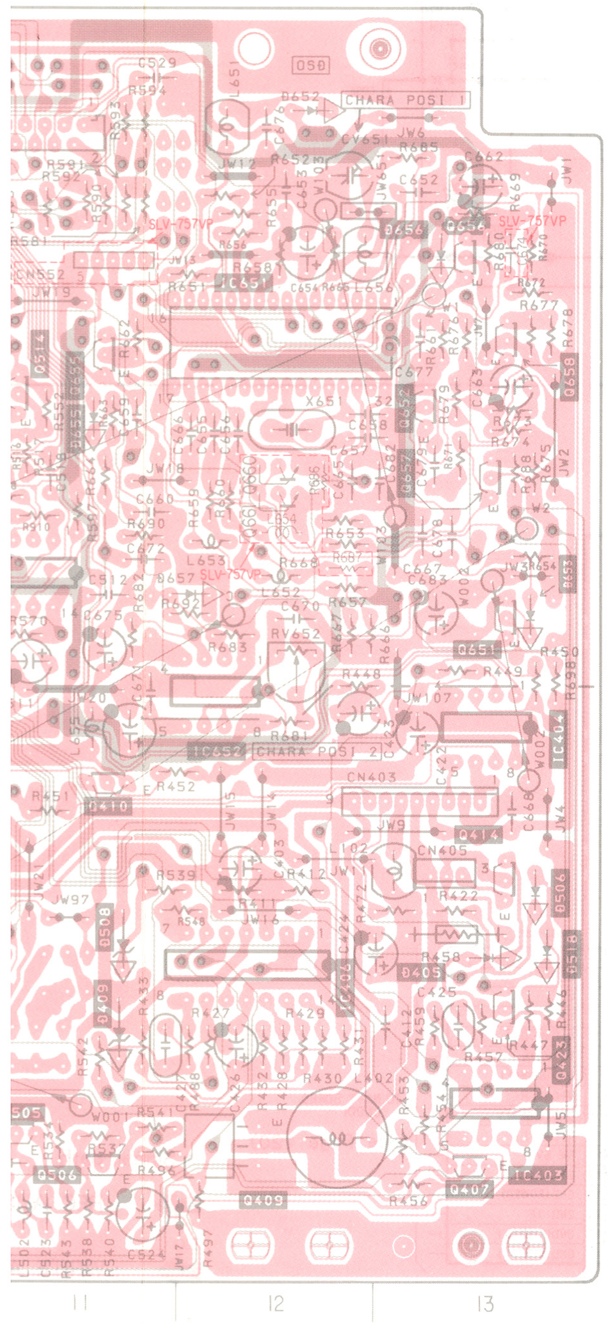
MA-29 BOARD (CONDUCTOR SIDE)


A
B
C
D
E
F
G
(B-679)
(1-707-503-12)
MA-29 1-631-347
CMK-77X

MA-29 BOARD (COMPONENT SIDE)


H
I
J
K
L
M
MA-29 1-631-347
CMK-77X
(B-679)
(1-707-503-12)
IC501
IC503
DIP
1
2
3
4
5
6
7
8
9
10

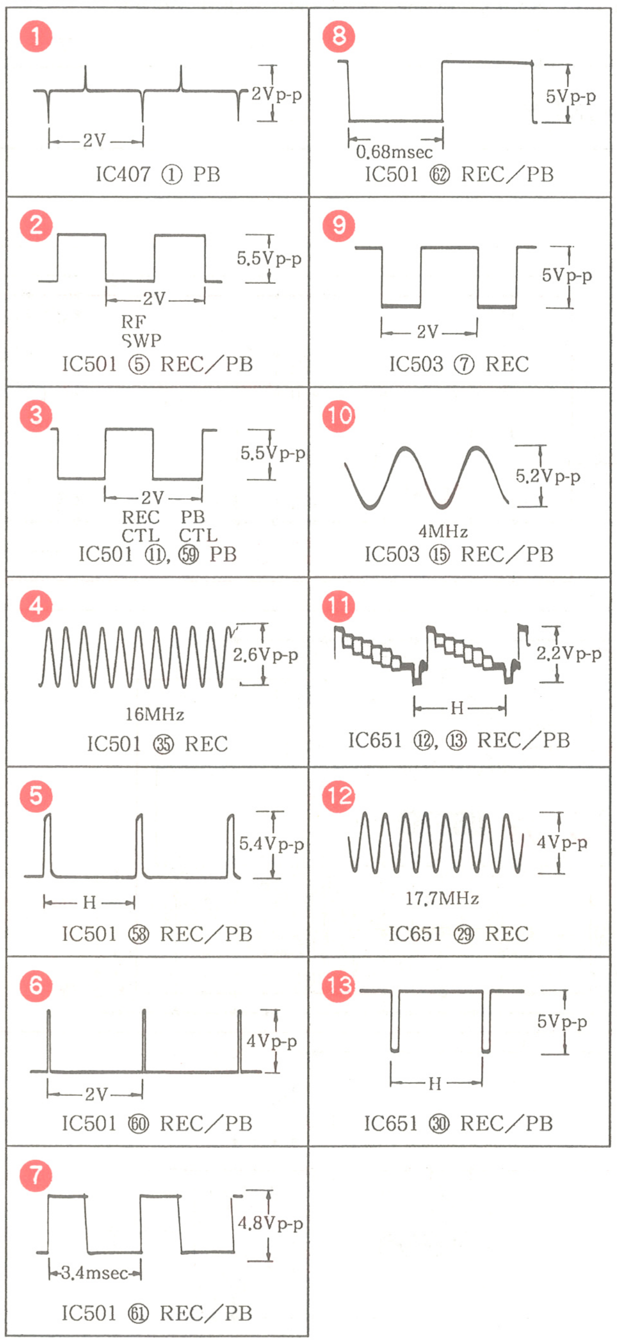

12
11
TR-35 BOARD
CHARA POSI
CN403
CNS


CHARA POSI
CN403
CN405
12
11
12
13

MA-29 Board

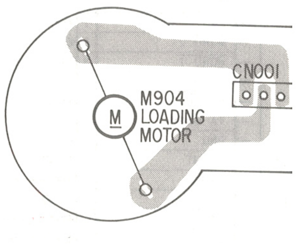
D102	D-6
D103	D-6
D401	B-8
D402	A-8
D403	B-8
D404	B-8
D405	B-13
D409	B-11
D410	C-9
D411	B-10
D501	F-6
D502	D-9
D503	E-9
D505	C-5
D506	B-13
D507	B-8
D508	B-11
D509	D-8
D510	C-8
D516	F-10
D517	F-10
D518	B-13
D652	F-12
D653	D-13
D655	E-11
D656	F-13
D657	D-12
D891	D-3
D892	E-2
D894	D-10
IC101	D-2
IC102	E-3
IC201	B-5
IC202	C-4
IC203	A-2
IC204	A-5
IC205	A-4
IC251	E-6
IC301	A-6
IC302	F-9
IC401	B-10
IC402	A-8
IC403	A-13
IC404	C-13
IC406	B-12
IC501	E-9
IC502	B-6
IC503	C-9
IC505	D-11
IC651	E-12
IC652	D-12
Q101	C-2
Q102	B-2
Q103	F-5
Q104	E-3
Q107	B-6
Q108	D-6
Q109	D-5
Q201	B-4
Q202	B-5
Q203	A-3
Q204	B-2
Q205	A-4
Q208	A-5
Q251	E-4
Q253	D-4
Q254	D-5
Q401	A-7
Q403	B-9
Q404	B-10
Q405	B-10
Q407	A-13
Q409	A-12
Q410	C-11
Q411	B-11
Q412	A-10
Q414	C-13
Q423	B-13
Q430	A-7
Q431	C-7
Q432	B-7
Q433	Q-8
Q502	D-9
Q503	A-10
Q504	A-10
Q505	A-11
Q506	A-11
Q512	C-5
Q514	E-11
Q515	E-10
Q516	E-10
Q517	E-10
Q518	E-10
Q519	F-10
Q651	D-13
Q652	E-13
Q655	E-11
Q656	F-13
Q657	D-13
Q658	E-13
Q660	E-12
Q661	E-12
Q892	D-5
Q893	D-5
Q894	D-3

MA-29 BOARD


1
2Vp-p
2V
IC407 ① PB
8
5Vp-p
0.68msec
IC501 ㊷ REC/PB
2
5.5Vp-p
2V
RF
SWP
IC501 ⑤ REC/PB
9
5Vp-p
2V
IC503 ⑦ REC
3
5.5Vp-p
2V
REC CTL
PB CTL
IC501 ⑪, ㊿9 PB
10
5.2Vp-p
4MHz
IC503 ⑮ REC/PB
4
2.6Vp-p
16MHz
IC501 ㉟ REC
11
2.2Vp-p
H
IC651 ⑫, ⑬ REC/PB
5
5.4Vp-p
H
IC501 (58) REC/PB
12
4Vp-p
17.7MHz
IC651 ㉙ REC
6
4Vp-p
2V
IC501 (60) REC/PB
13
5Vp-p
H
IC651 ㉚ REC/PB
7
4.8Vp-p
3.4msec
IC501 (61) REC/PB

CM-14 PRINTED WIRING

CM-14 BOARD


CN001
M
M904
LOADING
MOTOR

For printed wiring boards :

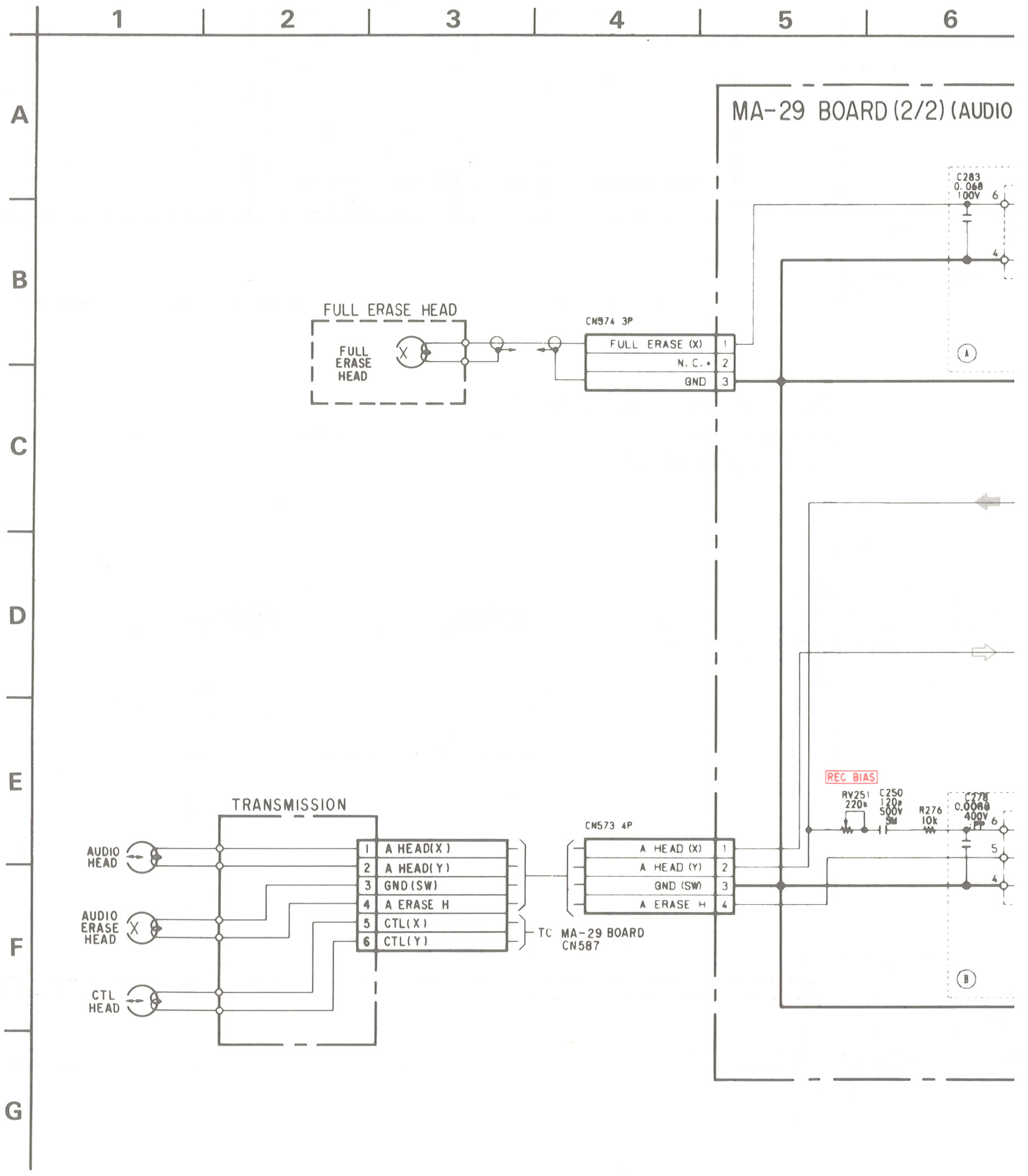
- ○— : indicates a lead wir
- ●— : indicates a lead wir
  - ● : Through hole.
- ▨ : Pattern from the si
- 🟥 : Pattern of the rear

Note :

Conductor side : Parts on the
the conducto

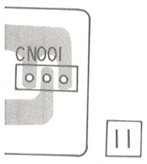
Component side : Parts on the
from the con

MA-29 (2/2) (AUDIO) SCHEMATIC DIAGRAM


1
2
3
4
5
6
A
B
C
D
E
F
G
MA-29 BOARD (2/2) (AUDIO
C283 0.068 100V
FULL ERASE HEAD
FULL ERASE HEAD
CN974 3P
FULL ERASE (X)
N.C.
GND
A
REC BIAS
RV251 220k
C250 120p 500V SM
R276 10k
C278 0.0068 400V PP
TRANSMISSION
AUDIO HEAD
AUDIO ERASE HEAD
CTL HEAD
A HEAD(X)
A HEAD(Y)
GND(SW)
A ERASE H
CTL(X)
CTL(Y)
TO MA-29 BOARD CN587
CN573 4P
A HEAD (X)
A HEAD (Y)
GND (SW)
A ERASE H
B

RING BOARD

)



:

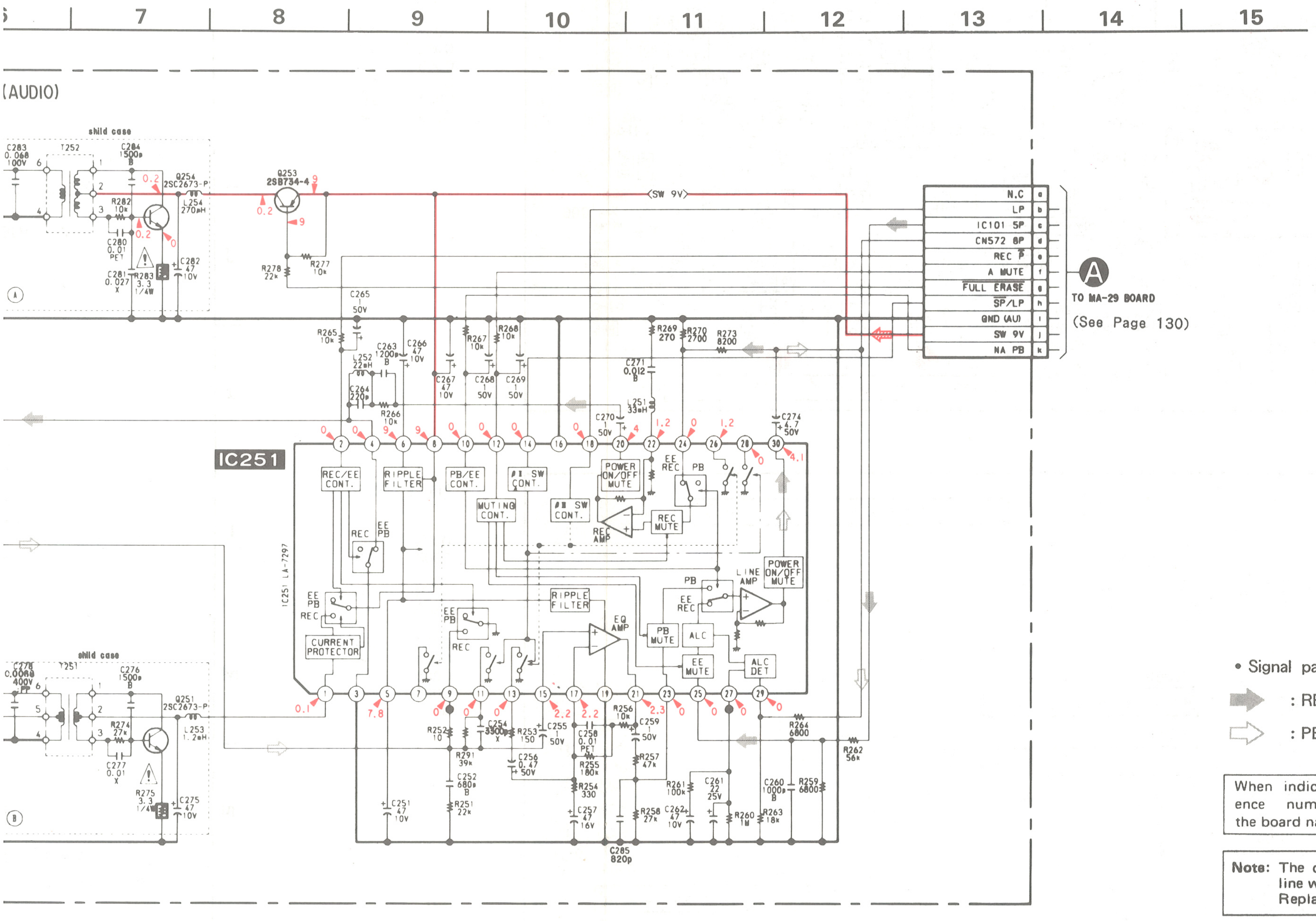
ad wire mounted on the componet side.

ad wire mounted on the printed side.

the side which enables seeing.

e rear side.

on the conductor side being seen from
nductor are stated.
on the component side being seen
he component are stated.


7
8
9
10
11
12
13
14
15
(AUDIO)
shild case
Q254 2SC2673-P
Q253 2SB734-4
L254 270μH
IC251
IC251 LA-7297
REC/EE CONT.
RIPPLE FILTER
PB/EE CONT.
#1 SW CONT.
MUTING CONT.
#2 SW CONT.
POWER ON/OFF MUTE
REC AMP
REC MUTE
EE REC
PB
LINE AMP
POWER ON/OFF MUTE
EQ AMP
PB MUTE
ALC
EE MUTE
ALC DET
CURRENT PROTECTOR
(SW 9V)
N.C
LP
IC101 5P
CN572 8P
REC P
A MUTE
FULL ERASE
SP/LP
GND (AU)
SW 9V
NA PB
a
b
c
d
e
f
g
h
i
j
k
A
TO MA-29 BOARD
(See Page 130)
Q251 2SC2673-P
L253 1.2mH
C285 820p

- Signal path

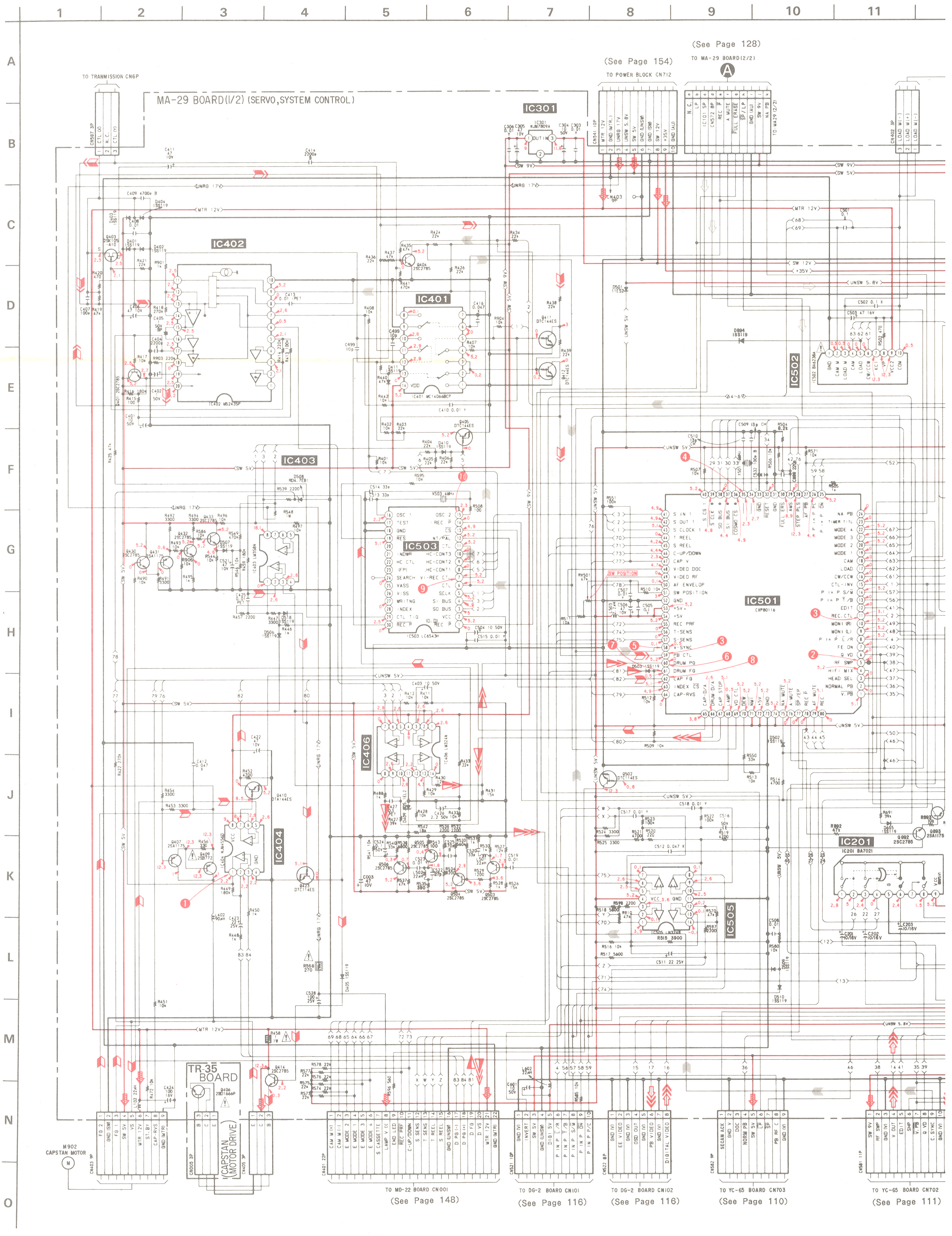
➡	: REC AUDIO Signal
⇨	: PB AUDIO Signal

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

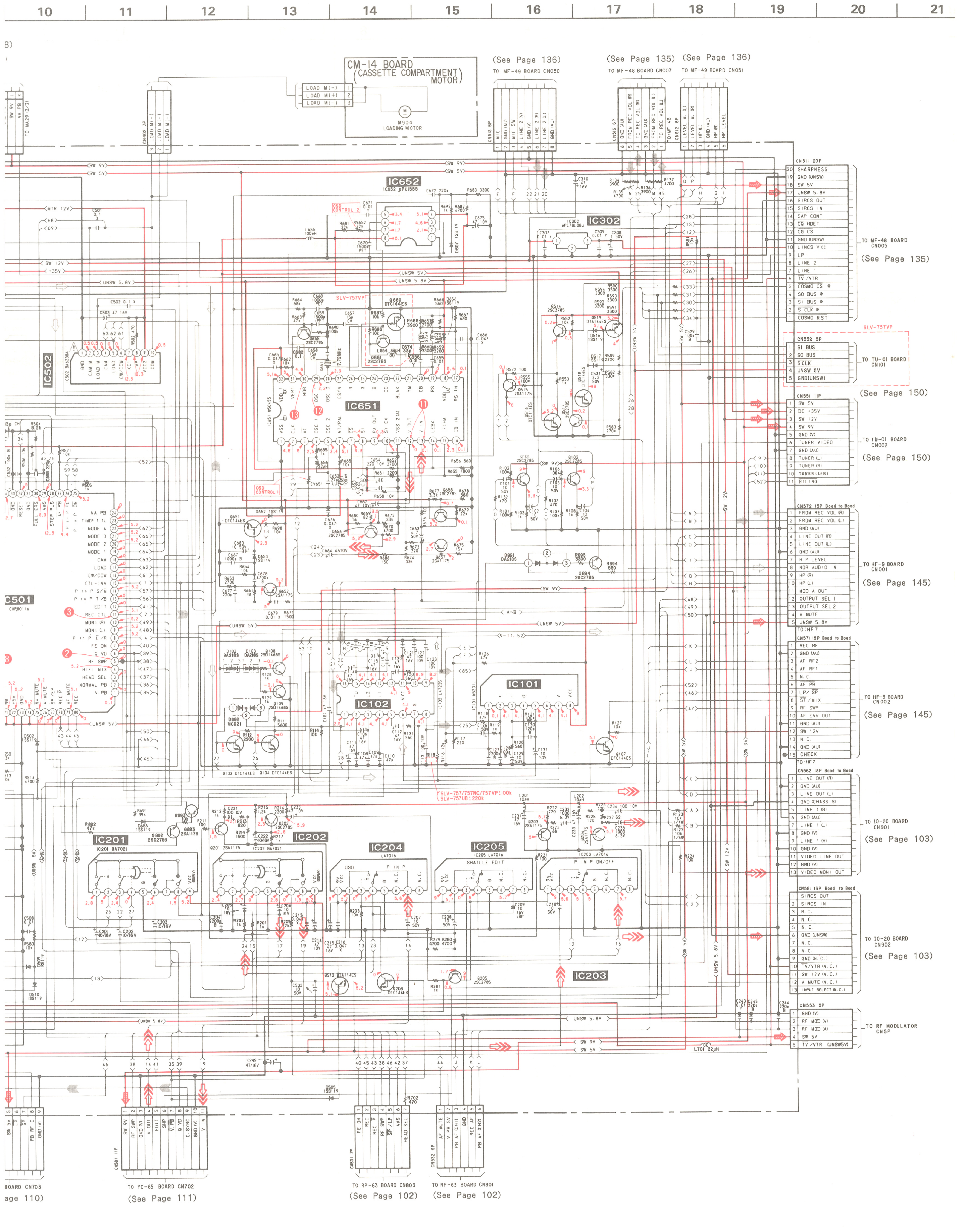
MA-29 (1/2) (AUDIO, SERVO SYSTEM CONTROL), TR-35 (CAPSTAN MOTOR DRIVE), CM-14 (MOTOR) SCHEMATIC DIAGRAMS

—Ref. No. MA-29 BOARD : 3,000 Series, TR-35 BOARD : 8,000 Series—

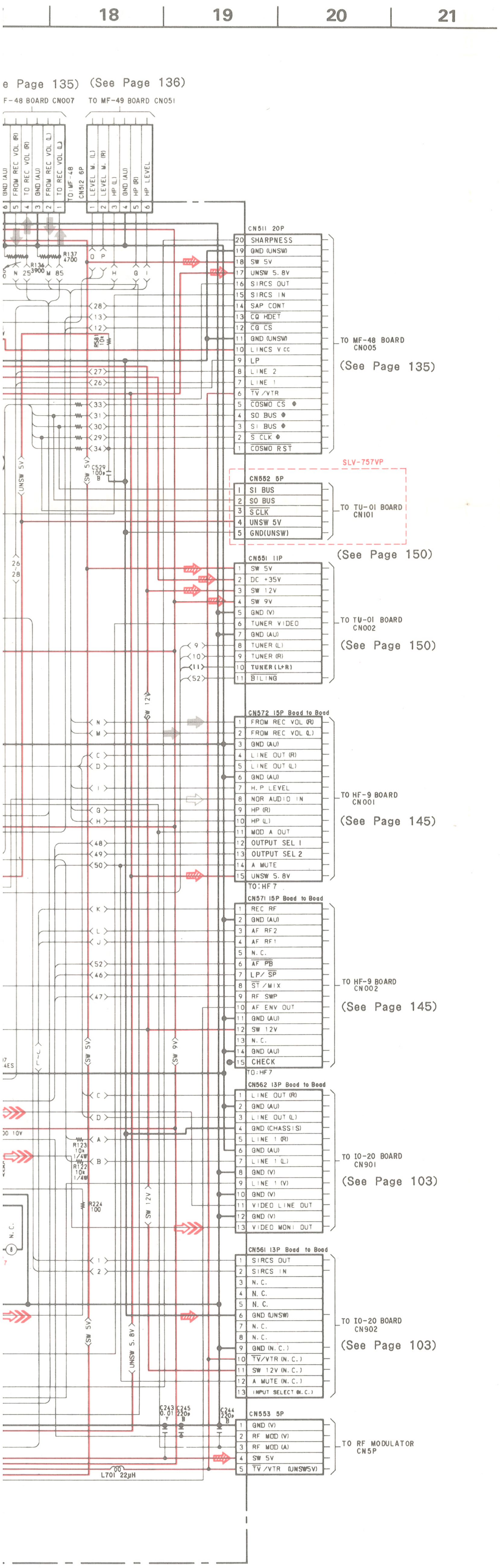


1 2 3 4 5 6 7 8 9 10 11
A B C D E F G H I J K L M N O
MA-29 BOARD (1/2) (SERVO, SYSTEM CONTROL)
TO TRANMISSION CN6P
(See Page 154)
TO POWER BLOCK CN712
(See Page 128)
TO MA-29 BOARD (2/2)
A
IC301
IC402
IC401
IC403
IC503
IC502
IC501
IC406
IC404
IC505
IC201
TR-35 BOARD
(CAPSTAN MOTOR DRIVE)
M902 CAPSTAN MOTOR
TO MD-22 BOARD CN001
(See Page 148)
TO DG-2 BOARD CN101
(See Page 116)
TO DG-2 BOARD CN102
(See Page 116)
TO YC-65 BOARD CN703
(See Page 110)
TO YC-65 BOARD CN702
(See Page 111)
UNREG 17V
MTR 12V
SW 9V
SW 5V
UNSW 5V
UNSW 5.8V
SW 12V
+35V

SERVO SYST


10
11
12
13
14
15
16
17
18
19
20
21
CM-14 BOARD
(CASSETTE COMPARTMENT MOTOR)
LOAD M(-)
LOAD M(+)
LOAD M(-)
M904
LOADING MOTOR
CN402 3P
(See Page 136)
TO MF-49 BOARD CN050
CN513 8P
(See Page 135)
TO MF-48 BOARD CN007
CN516 6P
(See Page 136)
TO MF-49 BOARD CN051
CN512 6P
TO MA29 (2/2)
SW 9V
SW 5V
MTR 12V
SW 12V
+35V
UNSW 5.8V
UNSW 5V
IC652
IC652 μPC1888
OSD CONTROL 2
IC302
IC302 μPC78L08J
IC651
IC651 M50455
SLV-757VP
IC502
IC502 BA6238A
IC501
CXP80116
OSD CONTROL 1
CN511 20P
SHARPNESS
GND (UNSW)
SW 5V
UNSW 5.8V
SIRCS OUT
SIRCS IN
SAP CONT
CG HDET
CG CS
GND (UNSW)
LINCS Vcc
LP
LINE 2
LINE 1
TV/VTR
COSMO CS
SO BUS
SI BUS
S CLK
COSMO RST
TO MF-48 BOARD CN005
(See Page 135)
CN552 5P
SI BUS
SO BUS
S CLK
UNSW 5V
GND(UNSW)
TO TU-01 BOARD CN101
(See Page 150)
CN551 11P
SW 5V
DC +35V
SW 12V
SW 9V
GND (V)
TUNER VIDEO
GND (AU)
TUNER (L)
TUNER (R)
TUNER(L+R)
BILING
TO TU-01 BOARD CN002
(See Page 150)
CN572 15P Bood to Bood
FROM REC VOL (R)
FROM REC VOL (L)
GND (AU)
LINE OUT (R)
LINE OUT (L)
GND (AU)
H.P LEVEL
NOR AUDIO IN
HP (R)
HP (L)
MOD A OUT
OUTPUT SEL 1
OUTPUT SEL 2
A MUTE
UNSW 5.8V
TO:HF7
TO HF-9 BOARD CN001
(See Page 145)
CN571 15P Bood to Bood
REC RF
GND (AU)
AF RF2
AF RF1
N.C.
AF PB
LP/SP
ST/MIX
RF SWP
AF ENV OUT
GND (AU)
SW 12V
N.C.
GND (AU)
CHECK
TO:HF7
TO HF-9 BOARD CN002
(See Page 145)
CN562 13P Bood to Bood
LINE OUT (R)
GND (AU)
LINE OUT (L)
GND (CHASSIS)
LINE 1 (R)
GND (AU)
LINE 1 (L)
GND (V)
LINE 1 (V)
GND (V)
VIDEO LINE OUT
GND (V)
VIDEO MONI OUT
TO IO-20 BOARD CN901
(See Page 103)
CN561 13P Bood to Bood
SIRCS OUT
SIRCS IN
N.C.
N.C.
N.C.
GND (UNSW)
N.C.
N.C.
GND (N.C.)
TV/VTR (N.C.)
SW 12V (N.C.)
A MUTE (N.C.)
INPUT SELECT (N.C.)
TO IO-20 BOARD CN902
(See Page 103)
CN553 5P
GND (V)
RF MOD (V)
RF MOD (A)
SW 5V
TV/VTR (UNSW5V)
TO RF MODULATOR CN5P
L701 22μH
IC102
IC101
IC101 M52011L
IC201
IC201 BA7021
IC202
IC202 BA7021
IC204
IC204 LA7016
IC205
IC205 LA7016
SHATLLE EDIT
IC203
IC203 LA7016
P IN P ON/OFF
P IN P
OSD
SLV-757/757NC/757VP:100k
SLV-757UB:220k
NA PB
TIMER TITL
MODE 4
MODE 3
MODE 2
MODE 1
CAM
LOAD
CW/CCW
CTL-INV
P in P S/M
P in P T/B
REC.CTL
EDIT
MONI (R)
MONI (L)
P in P L/R
FE ON
Q VD
RF SWP
HIFI MIX
HEAD SEL
NORMAL PB
V.PB
CN581 11P
SW 9V
RF SWP
GND (V)
V OUT
EDIT
SHP
V.PB
Q VD
C.SYNC
GND (V)
V IN
TO YC-65 BOARD CN702
(See Page 111)
BOARD CN703
age 110)
CN531 7P
FE ON
REC
REC
RF SWP
LP
AMS
HEAD SEL
TO RP-63 BOARD CN803
(See Page 102)
CN532 6P
AF MUTE
V.PB 5V
PB AF (CH1)
GND
REC AF
PB AF (CH2)
TO RP-63 BOARD CN801
(See Page 102)

SERVO SYSTEM CONTROL SERVO SYSTEM CONTROL


18
19
20
21
(See Page 135)
TO MF-48 BOARD CN007
(See Page 136)
TO MF-49 BOARD CN051
TO: MF-48
CN512 6P
1 LEVEL M. (L)
2 LEVEL M. (R)
3 HP (L)
4 GND (AU)
5 HP (R)
6 HP LEVEL
R137 4700
R134 3900
CN511 20P
20 SHARPNESS
19 GND (UNSW)
18 SW 5V
17 UNSW 5.8V
16 SIRCS OUT
15 SIRCS IN
14 SAP CONT
13 CQ HDET
12 CQ CS
11 GND (UNSW)
10 LINCS Vcc
9 LP
8 LINE 2
7 LINE 1
6 TV/VTR
5 COSMO CS
4 SO BUS
3 SI BUS
2 S CLK
1 COSMO RST
TO MF-48 BOARD CN005
(See Page 135)
SLV-757VP
CN552 5P
1 SI BUS
2 SO BUS
3 S CLK
4 UNSW 5V
5 GND (UNSW)
TO TU-01 BOARD CN101
(See Page 150)
C529 100μ
CN551 11P
1 SW 5V
2 DC +35V
3 SW 12V
4 SW 9V
5 GND (V)
6 TUNER VIDEO
7 GND (AU)
8 TUNER (L)
9 TUNER (R)
10 TUNER (L+R)
11 BILING
TO TU-01 BOARD CN002
(See Page 150)
CN572 15P Boad to Boad
1 FROM REC VOL (R)
2 FROM REC VOL (L)
3 GND (AU)
4 LINE OUT (R)
5 LINE OUT (L)
6 GND (AU)
7 H.P LEVEL
8 NOR AUDIO IN
9 HP (R)
10 HP (L)
11 MOD A OUT
12 OUTPUT SEL 1
13 OUTPUT SEL 2
14 A MUTE
15 UNSW 5.8V
TO:HF7
TO HF-9 BOARD CN001
(See Page 145)
CN571 15P Boad to Boad
1 REC RF
2 GND (AU)
3 AF RF2
4 AF RF1
5 N.C.
6 AF PB
7 LP/SP
8 ST/MIX
9 RF SWP
10 AF ENV OUT
11 GND (AU)
12 SW 12V
13 N.C.
14 GND (AU)
15 CHECK
TO:HF7
TO HF-9 BOARD CN002
(See Page 145)
CN562 13P Boad to Boad
1 LINE OUT (R)
2 GND (AU)
3 LINE OUT (L)
4 GND (CHASSIS)
5 LINE 1 (R)
6 GND (AU)
7 LINE 1 (L)
8 GND (V)
9 LINE 1 (V)
10 GND (V)
11 VIDEO LINE OUT
12 GND (V)
13 VIDEO MONI OUT
TO IO-20 BOARD CN901
(See Page 103)
R123 10k 1/4W
R122 10k 1/4W
R224 100
CN561 13P Boad to Boad
1 SIRCS OUT
2 SIRCS IN
3 N.C.
4 N.C.
5 N.C.
6 GND (UNSW)
7 N.C.
8 N.C.
9 GND (N.C.)
10 TV/VTR (N.C.)
11 SW 12V (N.C.)
12 A MUTE (N.C.)
13 INPUT SELECT (N.C.)
TO IO-20 BOARD CN902
(See Page 103)
C243 0.01
C245 220p
C244 330p
CN553 5P
1 GND (V)
2 RF MOD (V)
3 RF MOD (A)
4 SW 5V
5 TV/VTR (UNSW5V)
TO RF MODULATOR CN5P
L701 22μH

- Signal path

➡ : REC Y/CHROMA Signal

⇨ : PB Y/CHROMA Signal

➡ : REC AUDIO Signal

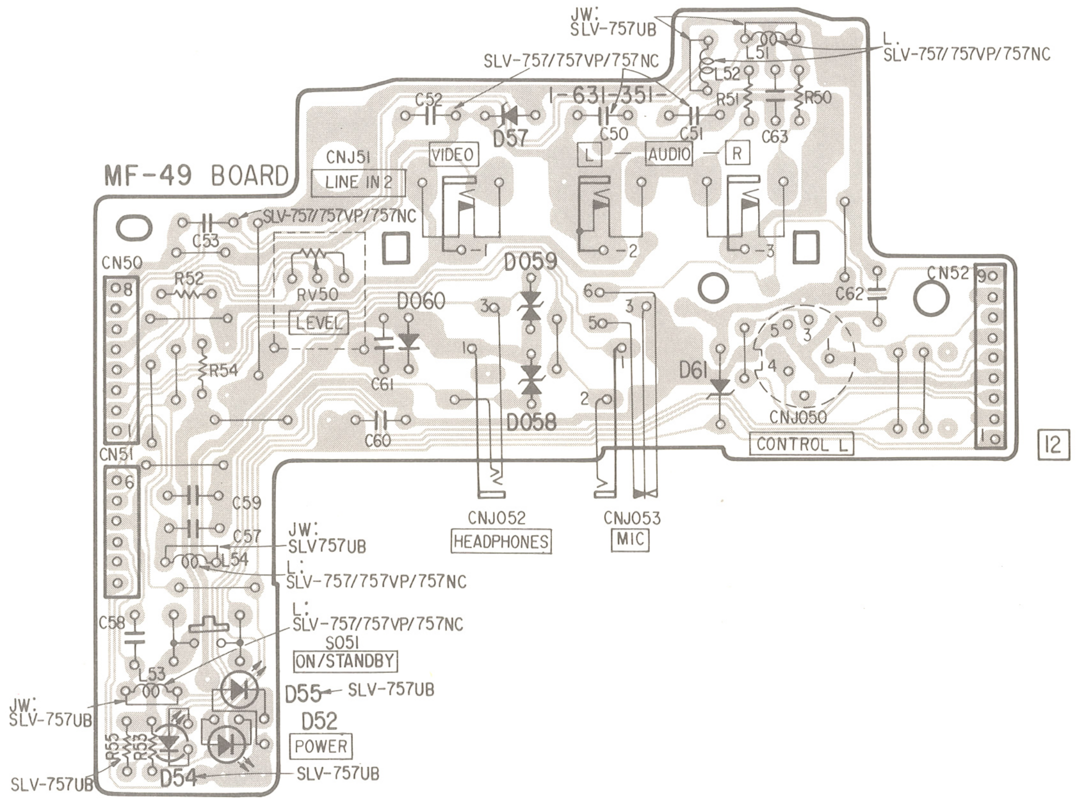
⇨ : PB AUDIO Signal

	REC	REC/PB	PB
Drum speed servo		➡	
Drum phase servo		➡	
Drum servo (speed and phase)		➡	
Capstan speed servo		➡	
Capstan phase servo	➡	➡	⇨
Ref. signal	➡		

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

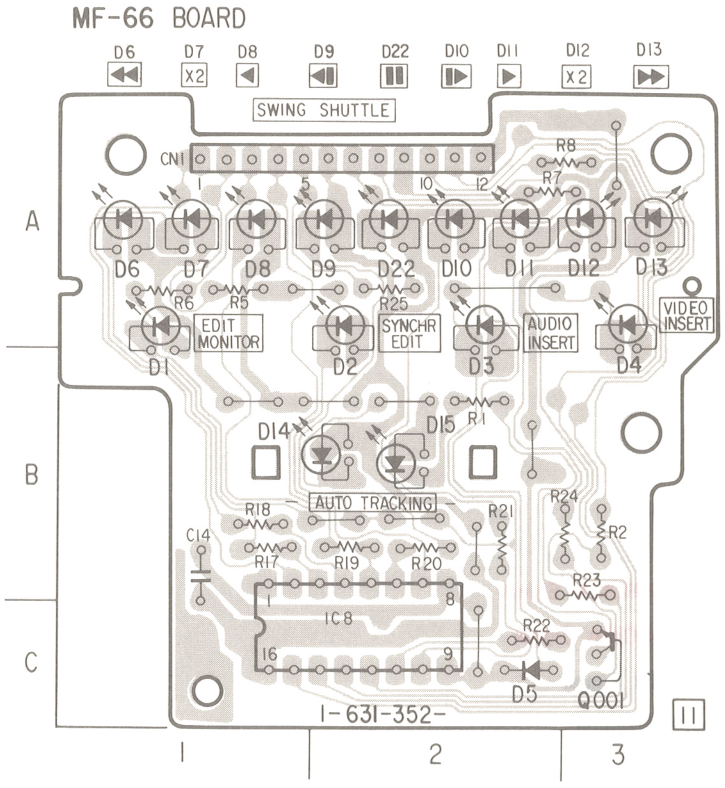
MF-49 (POWER SWITCH LINE IN 2, HEADPHONS) PRINTED WIRING BOARD


MF-49 BOARD
JW: SLV-757UB
SLV-757/757VP/757NC
L: SLV-757/757VP/757NC
1-631-351
CNJ51 LINE IN 2
VIDEO
AUDIO
L
R
C52
D57
C50
C51
C63
L52
L51
R51
R50
CN50
R52
C53
RV50 LEVEL
D060
D059
C61
C60
R54
D058
D61
C62
CN52
CNJ050 CONTROL L
CNJ052 HEADPHONES
CNJ053 MIC
12
CN51
C59
C57
L54
JW: SLV757UB
L: SLV-757/757VP/757NC
C58
L53
S051 ON/STANDBY
D55 SLV-757UB
D52 POWER
D54 SLV-757UB
R55
R53
JW: SLV-757UB
SLV-757UB

MF-66 (LED DRIVE) PRINTED WIRING BOARD

MF-66 Board

D001	A-1
D002	A-2
D003	A-2
D004	A-3
D005	C-2
D006	A-1
D007	A-1
D008	A-1
D009	A-2
D010	A-2
D011	A-2
D012	A-3
D013	A-3
D014	B-2
D015	B-2
D022	A-2
IC008	C-2
Q001	C-3


MF-66 BOARD
D6
D7 X2
D8
D9
D22
D10
D11
D12 X2
D13
SWING SHUTTLE
CN1
R8
R7
A
B
C
D6 D7 D8 D9 D22 D10 D11 D12 D13
R6
R5
R25
EDIT MONITOR
SYNCHR EDIT
AUDIO INSERT
VIDEO INSERT
D1
D2
D3
D4
D14
D15
R1
AUTO TRACKING
R18
R21
R24
R2
C14
R17
R19
R20
R23
IC8
R22
D5
Q001
1-631-352-
11
1
2
3

• Signal path

➡ : REC Y／CHROMA Signal

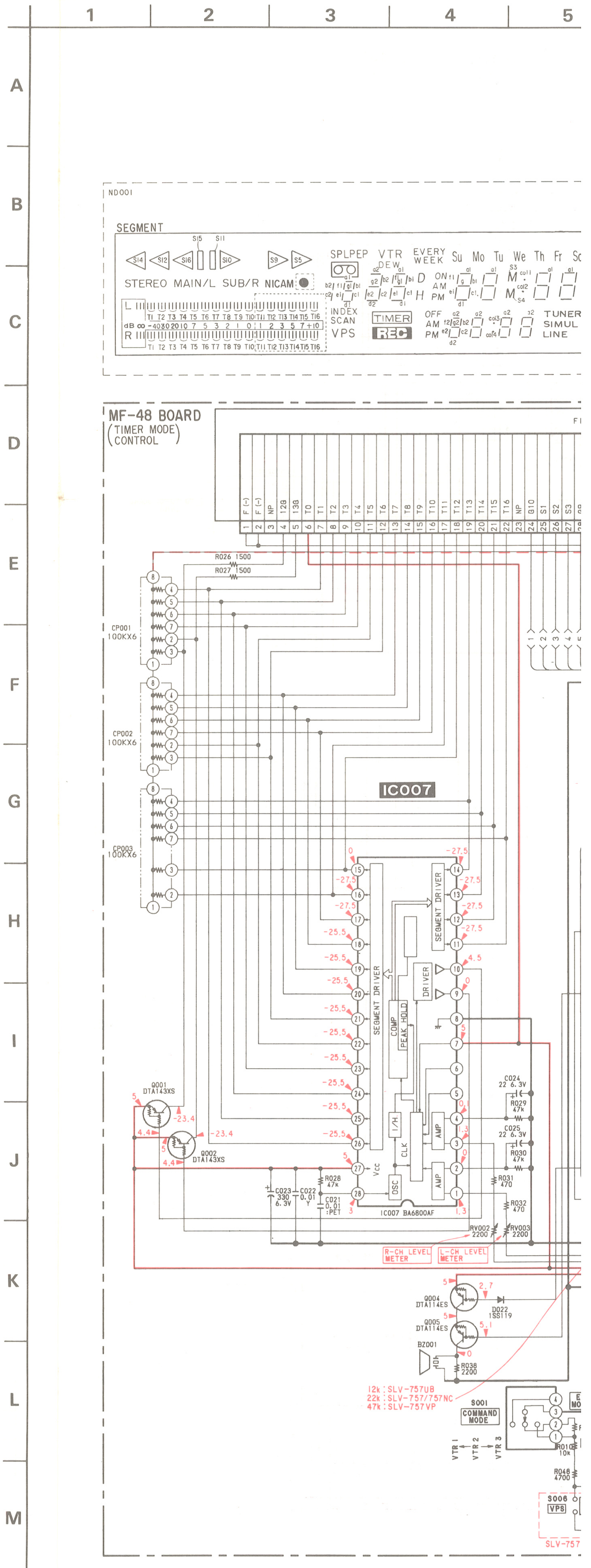
➡ : REC AUDIO Signal

⇨ : PB AUDIO Signal

When indicating parts by reference number, please include the board name.

MF-49 (POWER SWITCH LINE IN 2, HEADPHONS), MF-66 (LED
MF-48 (TIMER MODE CONTROL), MF-49 (POWER SWITCH LIN

—Ref. No. MF-48 BOARD : 1,100 Series, MF-49 BOARD : 1,300 Series, M


1
2
3
4
5
A
B
C
D
E
F
G
H
I
J
K
L
M
N
ND001
SEGMENT
STEREO MAIN/L SUB/R NICAM
SPLPEP VTR EVERY WEEK Su Mo Tu We Th Fr Sa
INDEX SCAN VPS
TIMER
REC
OFF AM PM
ON AM PM
TUNER SIMUL LINE
MF-48 BOARD (TIMER MODE CONTROL)
R026 1500
R027 1500
CP001 100KX6
CP002 100KX6
CP003 100KX6
IC007
SEGMENT DRIVER
DRIVER
COMP PEAK HOLD
I/H
CLK
OSC
AMP
Vcc
IC007 BA6800AF
Q001 DTA143XS
Q002 DTA143XS
C023 330 6.3V
C022 0.01
C021 0.01 PET
R028 47k
C024 22 6.3V
R029 47k
C025 22 6.3V
R030 47k
R031 470
R032 470
RV002 2200
RV003 2200
R-CH LEVEL METER
L-CH LEVEL METER
Q004 DTA114ES
Q005 DTA114ES
D022 1SS119
BZ001
R038 2200
12k : SLV-757UB
22k : SLV-757/757NC
47k : SLV-757VP
S001 COMMAND MODE
VTR 1
VTR 2
VTR 3
R010 10k
R048 4700
S006 VPS
SLV-757

6 (LED DRIVE) PRINTED WIRING BOARDS

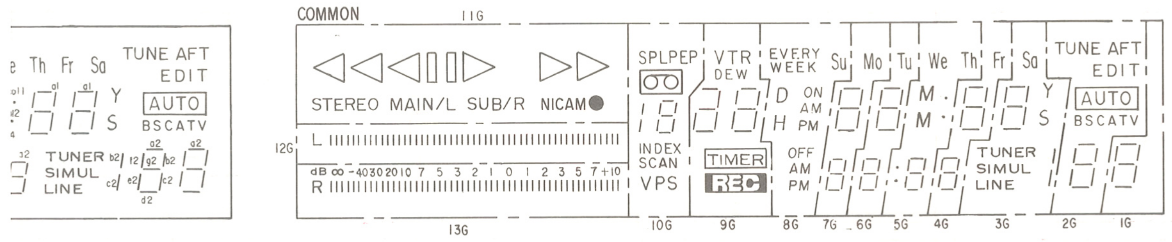
CH LINE IN 2, HEADPHONES), MF-66 (LED DRIVE) SCHEMATIC DIAGRAMS

Series, MF-66 BOARD : 1,200 Series—

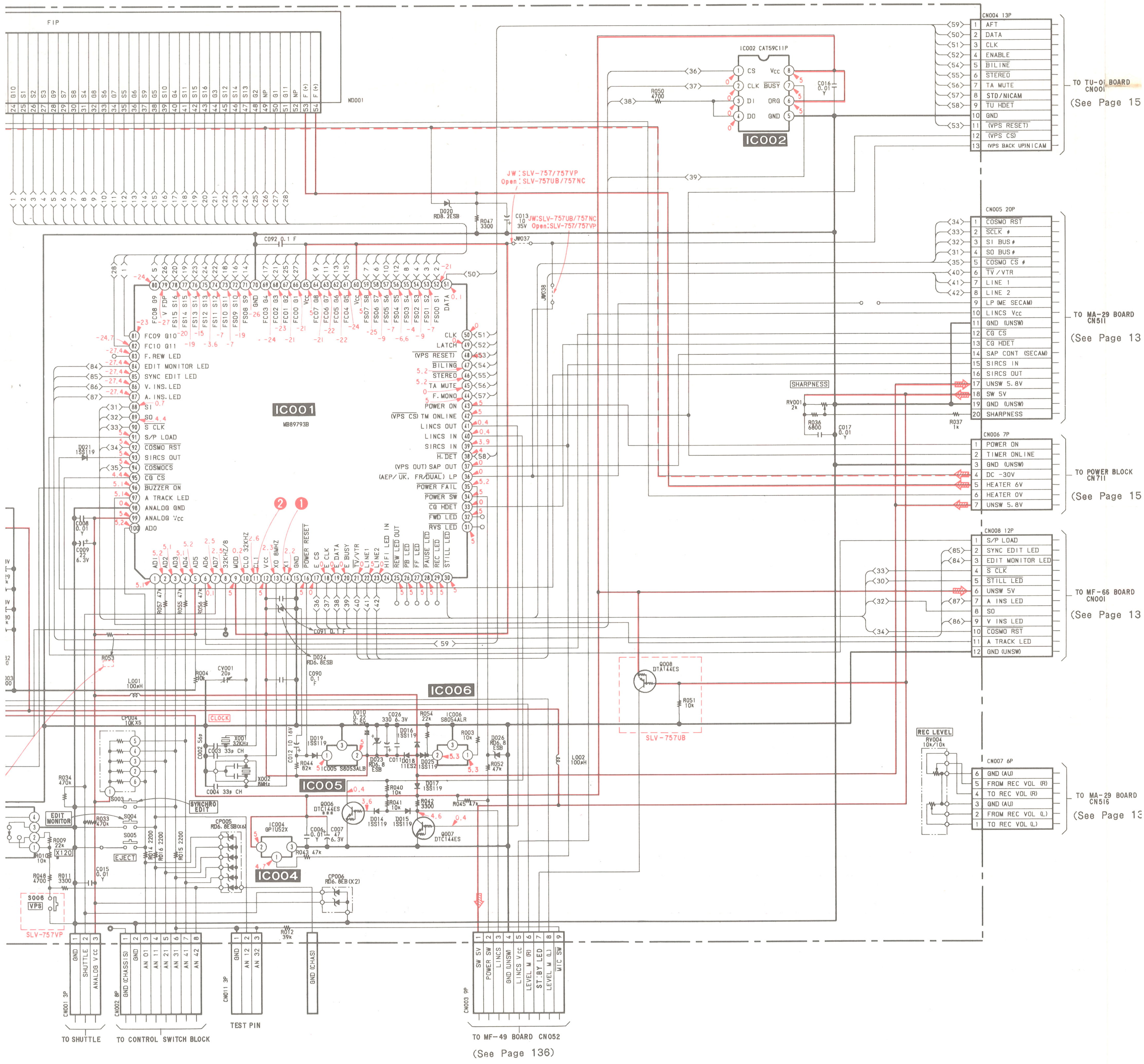
5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16

INTERNAL CONNECTION

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
S1	STEREO	EP	VTR	EVERY WEEK	Mo	Tu	We	Fr	Sa	TUNE	
S2	MAIN	a1	a1	Su	a1	a1	Th	a1	a1	AFT	
S3	/L	b1	b1	D	b1	b1	**M Up**	b1	b1	EDIT	
S4	**NICAM**	c1	c1	H	c1	c1	**M Down**	c1	c1		
S5	▷ **R**	d1	d1		d1	d1	• co14	d1	d1	CATV	
S6	●	e1	e1	PM	e1	e1	• co13	e1	e1	AUTO	
S7	SUB	f1	f1	ON	f1	f1	• co11	f1	f1		
S8	/R	g1	g1	AM	g1	g1	• co12	g1	g1		
S9	▷ **M**								Y	BS	
S10	▷ **L**		g2		a2	a2	a2	a2	S	a2	a2
S11	▯ **R**	SP	b2		b2	b2	b2	b2	b2. c2	b2	b2
S12	◁ **M**	VPS	c2	OFF	c2	c2	c2	c2	TUNER	c2	c2
S13		LP	DEW	PM	d2	d2	d2	d2	LINE	d2	d2
S14	◁ **L**	b2. c2	e2	AM	e2	e2	e2	e2	SIMUL	e2	e2
S15	▯ **L**	INDEX	TIMER		f2	f2	f2	f2		f2	f2
S16	◁ **R**	SCAN	REC		g2	g2	g2	g2		g2	g2



COMMON
11G
12G
13G
TUNE AFT
EDIT
AUTO
BSCATV
TUNER
SIMUL
LINE
STEREO MAIN/L SUB/R NICAM
dB ∞ -40 30 20 10 7 5 3 2 1 0 1 2 3 5 7 +10
L
R
SP LP EP
VTR DEW
EVERY WEEK
Su Mo Tu We Th Fr Sa
D H
ON AM PM
OFF AM PM
INDEX SCAN VPS
TIMER
REC
Y S
10G 9G 8G 7G 6G 5G 4G 3G 2G 1G



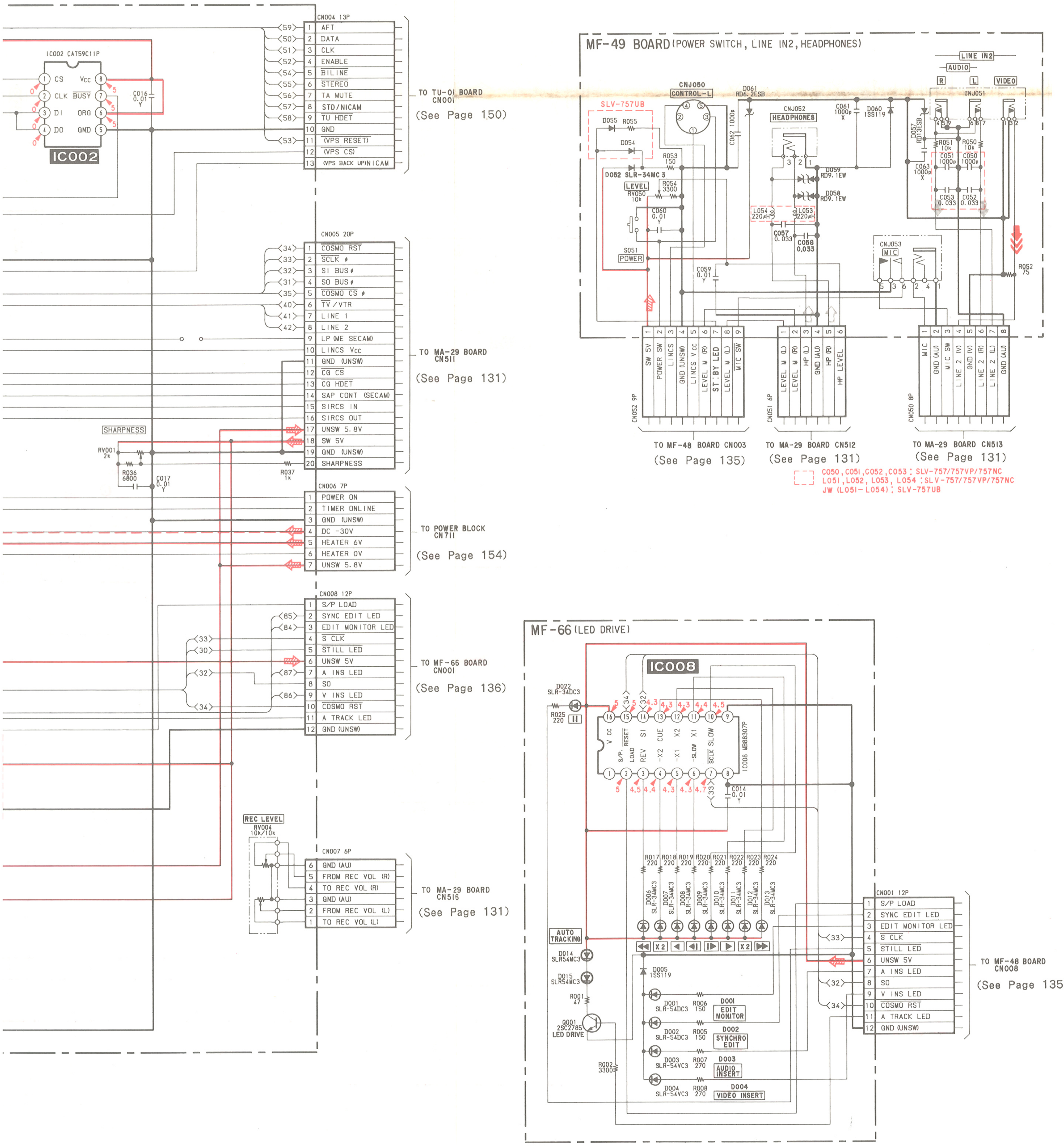
FIP
ND001
IC001
MB89793B
IC002 CAT59C11P
IC002
IC004 GP1U52X
IC004
IC005 S8053ALB
IC005
IC006 S8054ALR
IC006
CS
CLK
DI
DO
Vcc
BUSY
ORG
GND
CLK
LATCH
(VPS RESET)
BILING
STEREO
TA MUTE
F. MONO
POWER ON
(VPS CS) TM ONLINE
LINCS OUT
LINCS IN
SIRCS IN
H. DET
(VPS OUT) SAP OUT
(AEP/UK, FR/DUAL) LP
POWER FAIL
POWER SW
CG HDET
FWD LED
RVS LED
FC09 G10
FC10 G11
F. REW LED
EDIT MONITOR LED
SYNC EDIT LED
V. INS. LED
A. INS. LED
SI
SO
S CLK
S/P LOAD
COSMO RST
SIRCS OUT
COSMOCS
CG CS
BUZZER ON
A TRACK LED
ANALOG GND
ANALOG Vcc
ADO
JW : SLV-757/757VP
Open : SLV-757UB/757NC
JW : SLV-757UB/757NC
Open : SLV-757/757VP
D020 RD8. 2ESB
R047 3300
C013 10 35V
JW037
JW038
C092 0.1 F
R050 4700
C016 0.01 Y
SHARPNESS
RV001 2k
R036 6800
C017 0.01 Y
R037 1k
Q008 DTA144ES
R051 10k
SLV-757UB
REC LEVEL
RV004 10k/10k
CN004 13P
1 AFT
2 DATA
3 CLK
4 ENABLE
5 BILINE
6 STEREO
7 TA MUTE
8 STD/NICAM
9 TU HDET
10 GND
11 (VPS RESET)
12 (VPS CS)
13 (VPS BACK UP) NICAM
TO TU-01 BOARD CN001
(See Page 15
CN005 20P
1 COSMO RST
2 SCLK
3 SI BUS
4 SO BUS
5 COSMO CS
6 TV/VTR
7 LINE 1
8 LINE 2
9 LP (ME SECAM)
10 LINCS Vcc
11 GND (UNSW)
12 CG CS
13 CG HDET
14 SAP CONT (SECAM)
15 SIRCS IN
16 SIRCS OUT
17 UNSW 5.8V
18 SW 5V
19 GND (UNSW)
20 SHARPNESS
TO MA-29 BOARD CN511
(See Page 13
CN006 7P
1 POWER ON
2 TIMER ONLINE
3 GND (UNSW)
4 DC -30V
5 HEATER 6V
6 HEATER 0V
7 UNSW 5.8V
TO POWER BLOCK CN711
(See Page 15
CN008 12P
1 S/P LOAD
2 SYNC EDIT LED
3 EDIT MONITOR LED
4 S CLK
5 STILL LED
6 UNSW 5V
7 A INS LED
8 SO
9 V INS LED
10 COSMO RST
11 A TRACK LED
12 GND (UNSW)
TO MF-66 BOARD CN001
(See Page 13
CN007 6P
6 GND (AU)
5 FROM REC VOL (R)
4 TO REC VOL (R)
3 GND (AU)
2 FROM REC VOL (L)
1 TO REC VOL (L)
TO MA-29 BOARD CN516
(See Page 13
D021 1SS119
C008 0.01 Y
C009 22 6.3V
R057 47k
R055 47k
R056 47k
C091 0.1 F
D024 RD6.8ESB
R053
R004 10k
CV001 20p
C090 0.1 F
L001 100μH
CLOCK
CP004 10K×5
X001 32KHz
C002 56p
C003 33p CH
C004 33p CH
X002 8MHz
C012 10 16V
R044 82k
D019 1SS119
C010 0.22 5.5V
C026 330 6.3V
D016 1SS119
D023 RD6.8 ESB
C011
D018 11ES2
D025 1SS119
R054 22k
R003 10k
D026 RD6.8 ESB
R052 47k
L002 100μH
D017 1SS119
R040 10k
R041 10k
R042 3300
R045 47k
Q006 DTC144ES
D014 1SS119
D015 1SS119
Q007 DTC144ES
C006 0.01 Y
C007 47 6.3V
R043 47k
CP005 RD6.8ESB (×6)
CP006 RD6.8EB (×2)
R034 470k
S003
SYNCHRO EDIT
EDIT MONITOR
S004
R033 470k
S005
EJECT
R009 22k
X120
R010 10k
R014 2200
R016 2200
R015 2200
R048 4700
R011 3300
C015 0.01 Y
S006
VPS
SLV-757VP
R012 39k
CN001 3P
1 GND
2 SHUTTLE
3 ANALOG Vcc
TO SHUTTLE
CN002 8P
1 GND (CHASSIS)
2 GND
3 AN 01
4 AN 11
5 AN 21
6 AN 31
7 AN 41
8 AN 42
TO CONTROL SWITCH BLOCK
CN011 3P
1 GND
2 AN 12
3 AN 32
TEST PIN
GND (CHAS)
CN003 9P
1 SW 5V
2 POWER SW
3 LINCS
4 GND (UNSW)
5 LINCS Vcc
6 LEVEL M (R)
7 ST:BY LED
8 LEVEL M (L)
9 MIC SW
TO MF-49 BOARD CN052
(See Page 136)
❷
❶

SWITCH, MODE CONTROL S

12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21

ECTION

10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
EP	VTR	EVERY WEEK	Mo	Tu	We	Fr	Sa	TUNE	
a1	a1	Su	a1	a1	Th	a1	a1	AFT	
b1	b1	D	b1	b1	**M Up**	b1	b1	EDIT	
c1	c1	H	c1	c1	**M Down**	c1	c1		
d1	d1		d1	d1	• co14	d1	d1	CATV	
e1	e1	PM	e1	e1	• co13	e1	e1	AUTO	
f1	f1	ON	f1	f1	• co11	f1	f1		
g1	g1	AM	g1	g1	• co12	g1	g1		
							Y	BS	
○○	g2		a2	a2	a2	a2	S	a2	a2
SP	b2		b2	b2	b2	b2	b2. c2	b2	b2
VPS	c2	OFF	c2	c2	c2	c2	TUNER	c2	c2
LP	DEW	PM	d2	d2	d2	d2	LINE	d2	d2
b2. c2	e2	AM	e2	e2	e2	e2	SIMUL	e2	e2
INDEX	TIMER		f2	f2	f2	f2		f2	f2
SCAN	REC		g2	g2	g2	g2		g2	g2

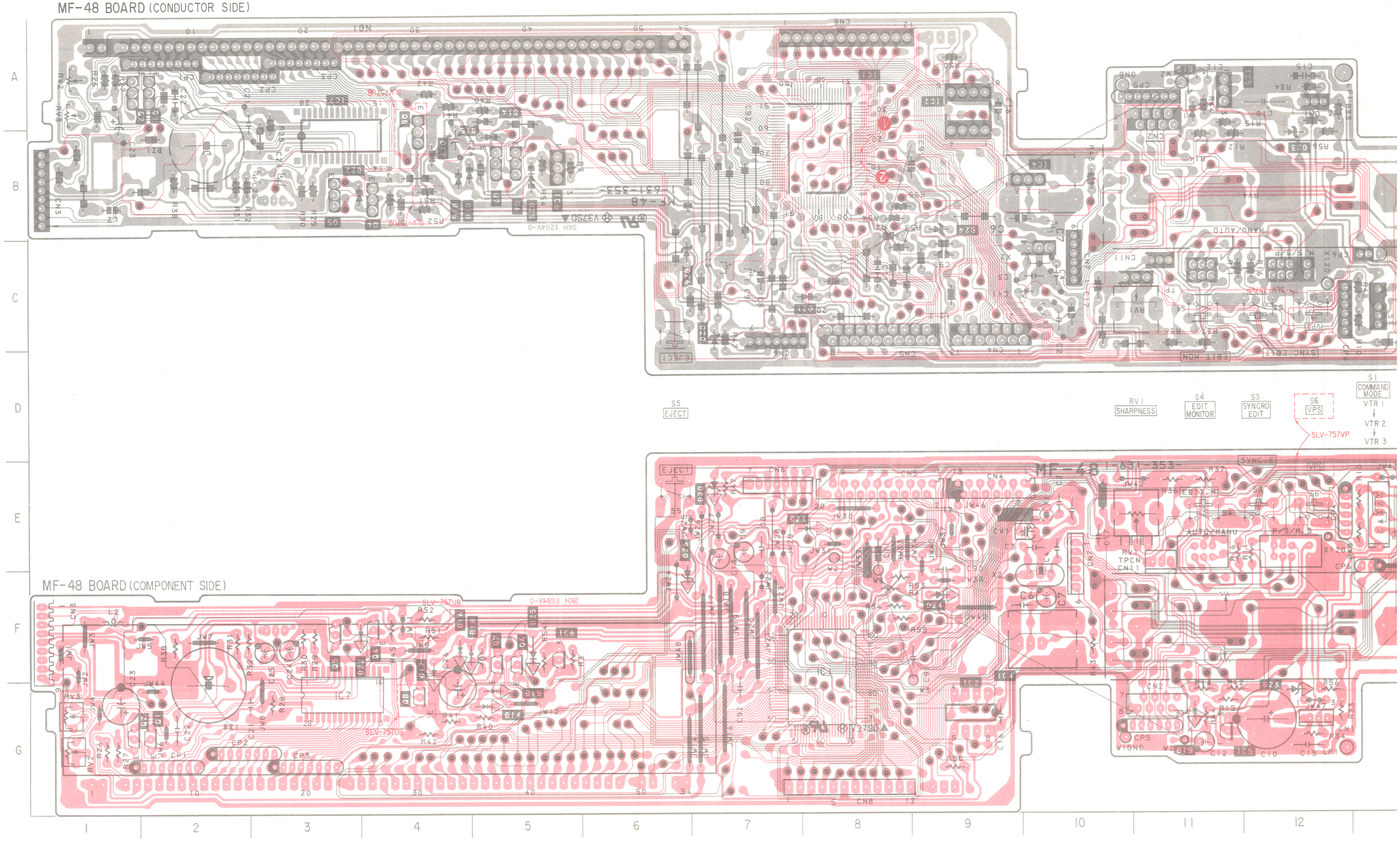

IC002 CAT59C11P
CS
Vcc
CLK
BUSY
DI
ORG
DO
GND
C016 0.01
IC002
CN004 13P
AFT
DATA
CLK
ENABLE
BILINE
STEREO
TA MUTE
STD/NICAM
TU HDET
GND
(VPS RESET)
(VPS CS)
(VPS BACK UP)NICAM
TO TU-01 BOARD CN001
(See Page 150)
CN005 20P
COSMO RST
SCLK
SI BUS
SO BUS
COSMO CS
TV/VTR
LINE 1
LINE 2
LP (ME SECAM)
LINCS Vcc
GND (UNSW)
CG CS
CG HDET
SAP CONT (SECAM)
SIRCS IN
SIRCS OUT
UNSW 5.8V
SW 5V
GND (UNSW)
SHARPNESS
TO MA-29 BOARD CN511
(See Page 131)
SHARPNESS
RV001 2k
R036 6800
C017 0.01
R037 1k
CN006 7P
POWER ON
TIMER ONLINE
GND (UNSW)
DC -30V
HEATER 6V
HEATER 0V
UNSW 5.8V
TO POWER BLOCK CN711
(See Page 154)
CN008 12P
S/P LOAD
SYNC EDIT LED
EDIT MONITOR LED
S CLK
STILL LED
UNSW 5V
A INS LED
SO
V INS LED
COSMO RST
A TRACK LED
GND (UNSW)
TO MF-66 BOARD CN001
(See Page 136)
REC LEVEL
RV004 10k/10k
CN007 6P
GND (AU)
FROM REC VOL (R)
TO REC VOL (R)
GND (AU)
FROM REC VOL (L)
TO REC VOL (L)
TO MA-29 BOARD CN516
(See Page 131)
MF-49 BOARD (POWER SWITCH, LINE IN2, HEADPHONES)
LINE IN2
AUDIO
R
L
VIDEO
CNJ051
CNJ050
CONTROL-L
D061 RD6.2ESB
SLV-757UB
D055
R055
D054
R053 150
C062 1000p
CNJ052
HEADPHONES
C061 1000p
D060 1SS119
D057 RD13ESB
R051 10k
R050 10k
C051 1000p
C050 1000p
C063 1000p
C053 0.033
C052 0.033
D062 SLR-34MC3
LEVEL
RV050 10k
R054 3300
C060 0.01
D059 RD9.1EW
D058 RD9.1EW
L054 220µH
L053 220µH
C057 0.033
C058 0.033
CNJ053
MIC
R052 75
S051
POWER
C059 0.01
SW 5V
POWER SW
LINCS
GND (UNSW)
LINCS Vcc
LEVEL M (R)
ST'BY LED
LEVEL M (L)
MIC SW
LEVEL M (L)
LEVEL M (R)
HP (L)
GND (AU)
HP (R)
HP LEVEL
MIC
GND (AU)
MIC SW
LINE 2 (V)
GND (V)
LINE 2 (R)
LINE 2 (L)
GND (AU)
CN052 9P
CN051 6P
CN050 8P
TO MF-48 BOARD CN003
(See Page 135)
TO MA-29 BOARD CN512
(See Page 131)
TO MA-29 BOARD CN513
(See Page 131)
C050, C051, C052, C053 : SLV-757/757VP/757NC
L051, L052, L053, L054 : SLV-757/757VP/757NC
JW (L051-L054) : SLV-757UB
MF-66 (LED DRIVE)
IC008
D022 SLR-34DC3
R025 220
V cc
S/P LOAD
RESET
REV
SI
CUE
-X2
X2
-X1
X1
-SLOW
SLOW
SCLK
IC008 MB88307P
C014 0.01
R017 220
R018 220
R019 220
R020 220
R021 220
R022 220
R023 220
R024 220
D006 SLR-34MC3
D007 SLR-34MC3
D008 SLR-34MC3
D009 SLR-34MC3
D010 SLR-34MC3
D011 SLR-34MC3
D012 SLR-34MC3
D013 SLR-34MC3
AUTO TRACKING
X2
X2
D014 SLR54MC3
D015 SLR54MC3
D005 1SS119
R001 47
Q001 2SC2785 LED DRIVE
D001 SLR-54DC3
R006 150
D001 EDIT MONITOR
D002 SLR-54DC3
R005 150
D002 SYNCHRO EDIT
D003 SLR-54VC3
R007 270
D003 AUDIO INSERT
R002 3300
D004 SLR-54VC3
R008 270
D004 VIDEO INSERT
CN001 12P
S/P LOAD
SYNC EDIT LED
EDIT MONITOR LED
S CLK
STILL LED
UNSW 5V
A INS LED
SO
V INS LED
COSMO RST
A TRACK LED
GND (UNSW)
TO MF-48 BOARD CN008
(See Page 135)

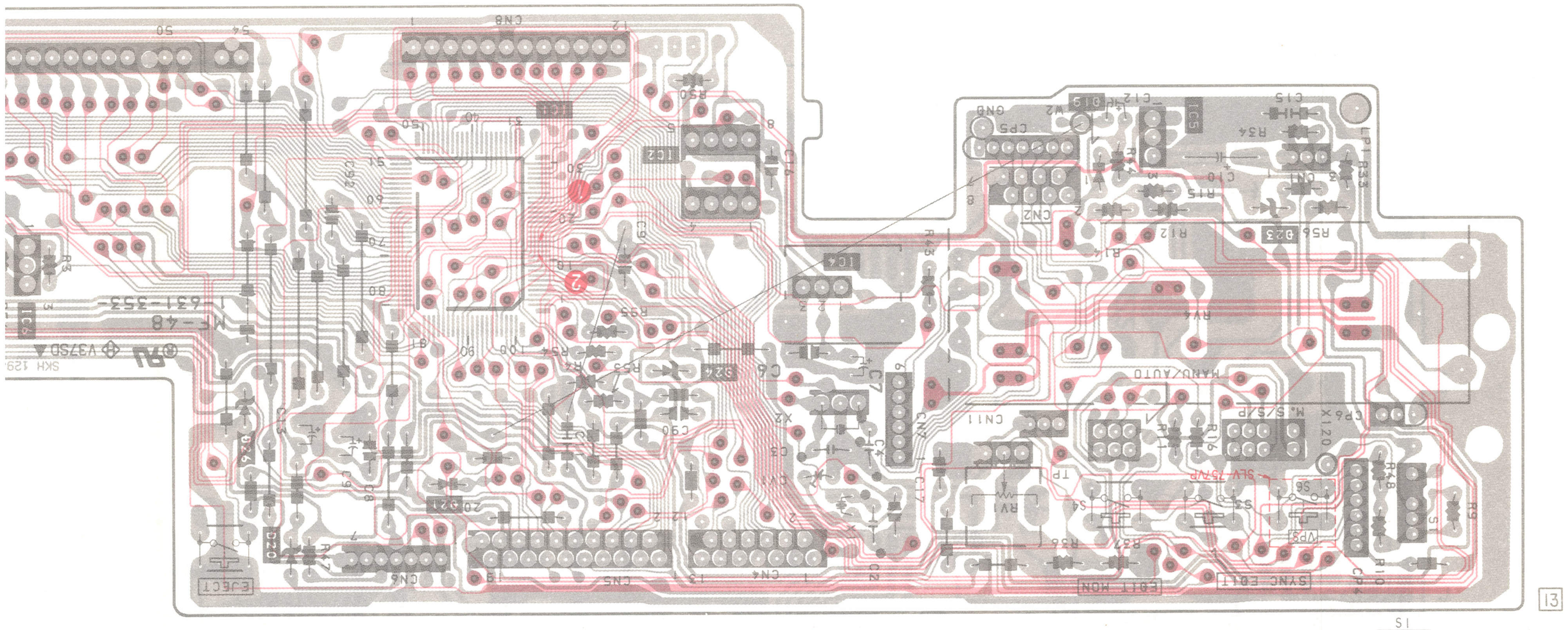
MF-48 (TIMER MODE CONTROL) PRINTED WIRING BOARD

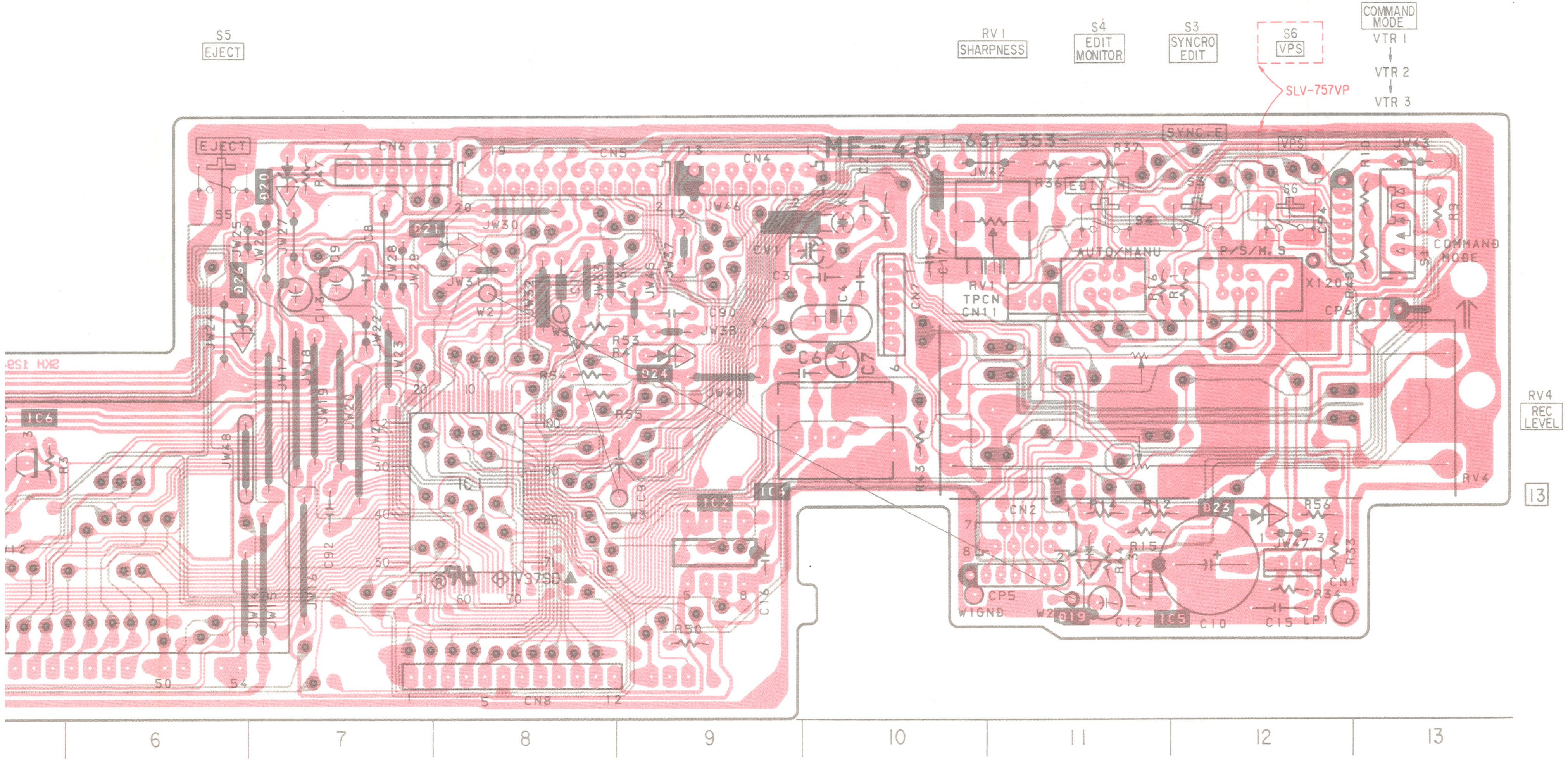
—Ref. No. MF-48 BOARD : 1,100 Series—

MF-48 BOARD (CONDUCTOR SIDE)

MF-48 BOARD (COMPONENT SIDE)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
10
11
12
S5
EJECT
RV1
SHARPNESS
S4
EDIT
MONITOR
S3
SYNCRO
EDIT
S6
VPS
SLV-757VP
S1
COMMAND
MODE
VTR 1
VTR 2
VTR 3
MF-48 1-631-353-
SLV-757UB
SKH 1S84V-0
IC1
IC2
IC4
IC5
IC6
IC7
CN1
CN2
CN3
CN4
CN5
CN6
CN7
CN8
CP1
CP2
CP3
CP4
CP5
LP1
BZ1
X1
X2
EJECT
SYNC EDIT
EDIT MON
AUTO/MANU
P/S/M.S
W/GND


MF-48
1-631-353-
EJECT
EDIT MON
SYNC EDIT
MANU/AUTO
P/S/M
13


S5
EJECT
RV1
SHARPNESS
S4
EDIT
MONITOR
S3
SYNCRO
EDIT
S6
VPS
SLV-757VP
S1
COMMAND
MODE
VTR 1
VTR 2
VTR 3
MF-48 1-631-353-
AUTO/MANU
P/S/M
COMMAND MODE
RV4
REC
LEVEL
13
6
7
8
9
10
11
12
13

MF-48 Board

(CONDUCTOR SIDE)

D014	B-5
D015	A-5
D016	B-4
D017	B-4
D018	B-5
D019	A-11
D020	E-7
D021	B-8
D022	B-3
D023	B-12
D024	B-9
D025	B-5
D026	C-7
IC001	A-8
IC002	A-9
IC004	B-10
IC005	A-11
IC006	B-5
IC007	A-3
Q001	A-2
Q002	A-1
Q004	B-11
Q005	B-4
Q006	B-5
Q007	B-5
Q008	A-4

For printed wiring boards :

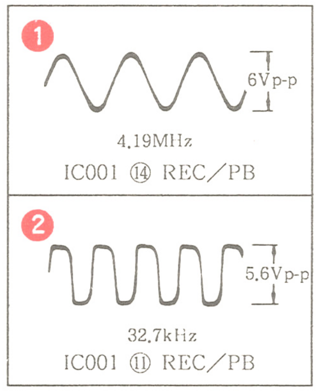
- ● : Through hole.
- ▨ : Pattern from the side which enables seeing.
- 🟥 : Pattern of the rear side.

Note :

Conductor side : Parts on the conductor side being seen from the conductor are stated.

Component side : Parts on the component side being seen from the component are stated.

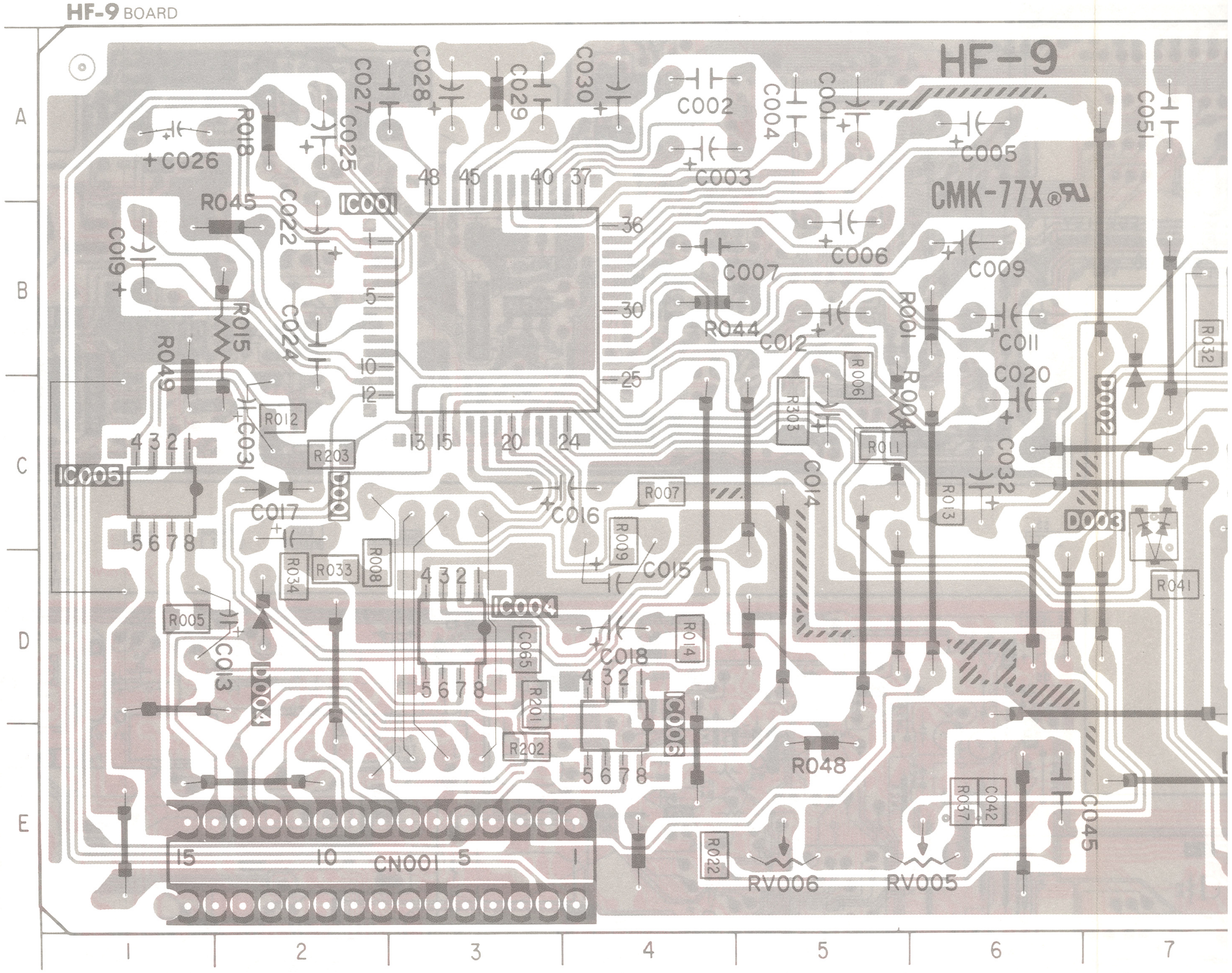
MF-48 BOARD


①
6Vp-p
4.19MHz
IC001 ⑭ REC／PB
②
5.6Vp-p
32.7kHz
IC001 ⑪ REC／PB

HF-9 (HiFi AUDIO) PRINTED WIRING BOARD
—Ref. No. HF-9 BOARD : 2,000 Series—

HF-9 Board

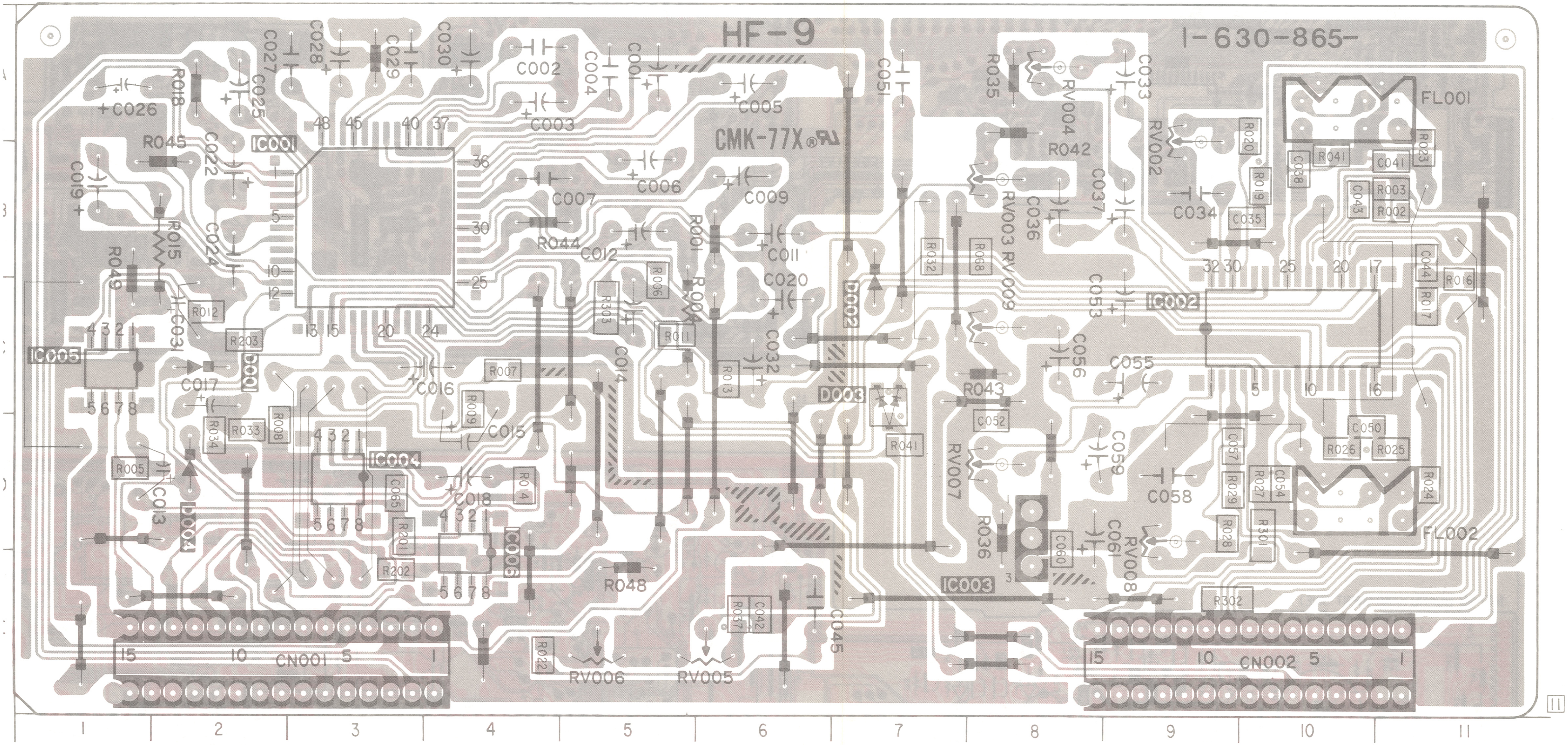
D001	C-2
D002	C-7
D003	D-7
D004	D-2
IC001	B-3
IC002	C-10
IC003	D-8
IC004	D-3
IC005	C-1
IC006	D-4


HF-9 BOARD
HF-9
CMK-77X
A
B
C
D
E
1
2
3
4
5
6
7
IC001
IC004
IC005
IC006
D001
D002
D003
D004
CN001
RV005
RV006
R045
R018
R015
R049
R048
R044
R001
C026
C025
C027
C028
C029
C030
C002
C004
C001
C005
C003
C006
C007
C009
C011
C012
C020
C022
C024
C019
C013
C014
C015
C016
C017
C018
C032
C045
C051

F-9 (HiFi AUDIO) PRINTED WIRING BOARD

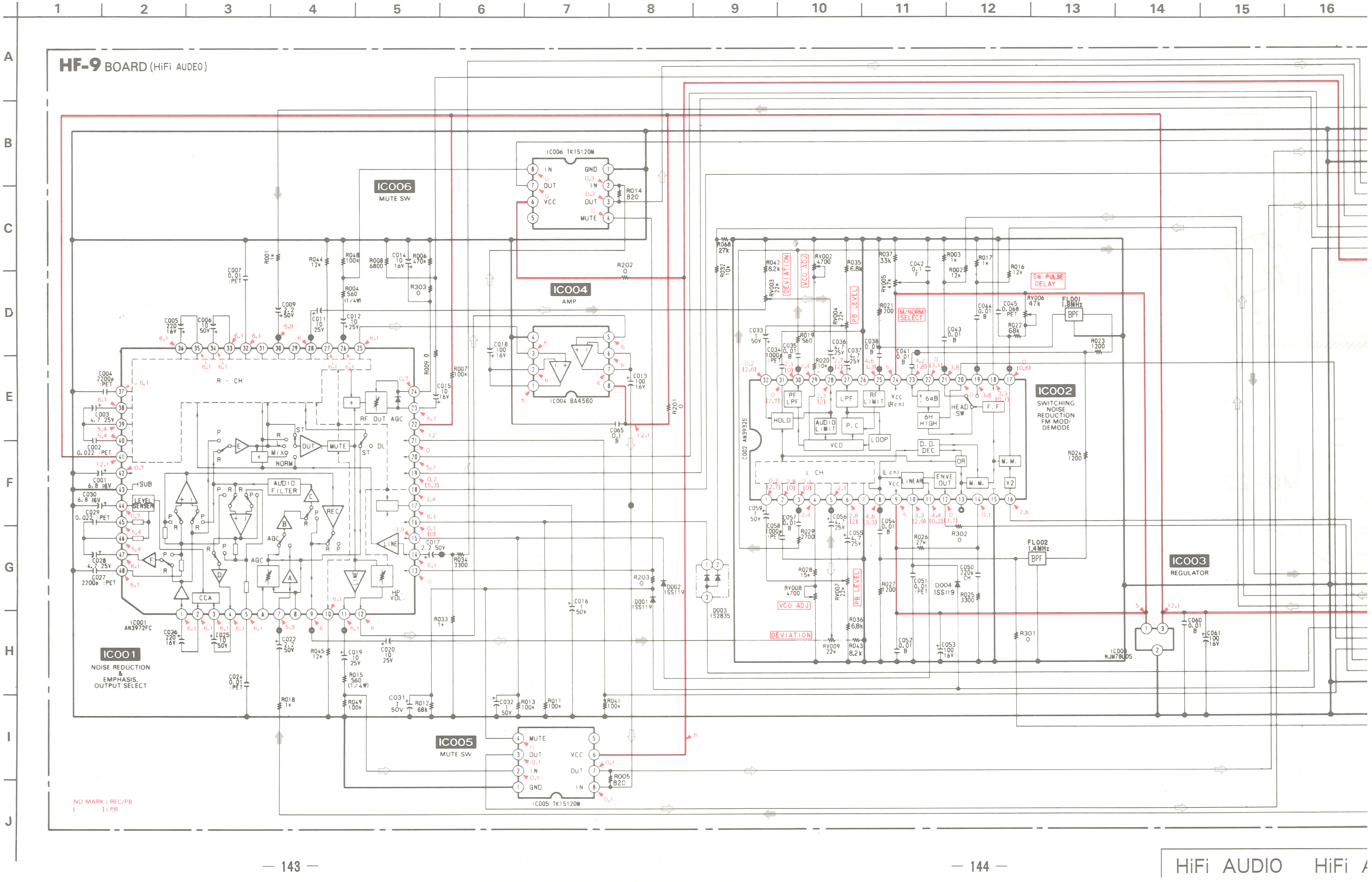
Ref. No. HF-9 BOARD : 2,000 Series—

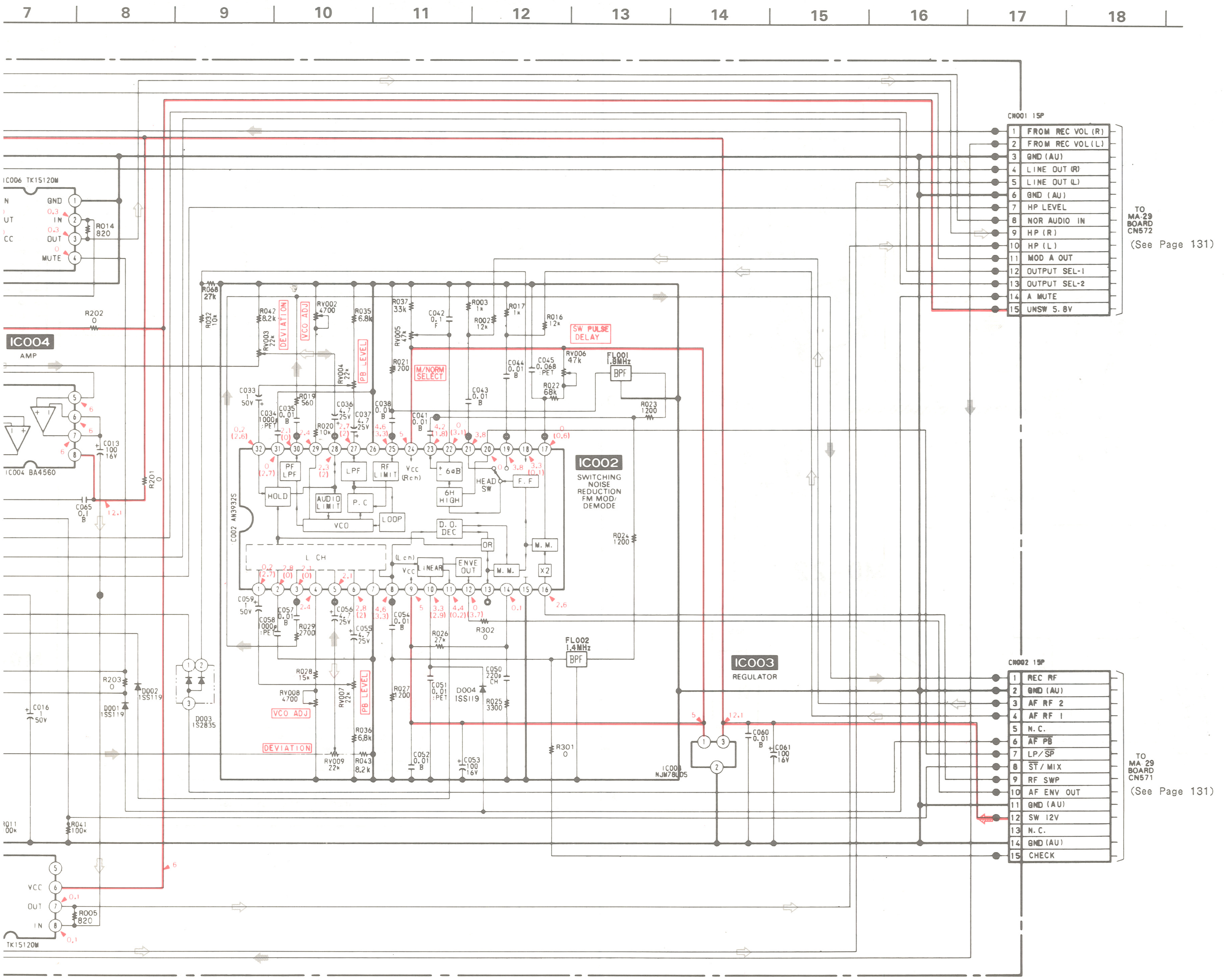
HF-9 BOARD


HF-9
1-630-865-
CMK-77X
IC001
IC002
IC003
IC004
IC005
IC006
D001
D002
D003
D004
FL001
FL002
CN001
CN002
C001
C002
C003
C004
C005
C006
C007
C009
C011
C012
C013
C014
C015
C016
C017
C018
C019
C020
C022
C024
C025
C026
C027
C028
C029
C030
C031
C032
C033
C034
C035
C036
C037
C038
C041
C042
C043
C044
C045
C050
C051
C052
C053
C054
C055
C056
C057
C058
C059
C060
C061
C065
R001
R002
R003
R004
R005
R006
R007
R008
R009
R011
R012
R013
R014
R015
R016
R017
R018
R019
R020
R022
R023
R024
R025
R026
R027
R028
R029
R032
R033
R034
R035
R036
R037
R041
R042
R043
R044
R045
R048
R049
R068
R201
R202
R203
R301
R302
R303
RV002
RV003
RV004
RV005
RV006
RV007
RV008
RV009
1 2 3 4 5 6 7 8 9 10 11

HF-9 (HiFi AUDIO) SCHEMATIC DIAGRAM

—Ref. No. HF-9 BOARD : 2,000 Series—


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
HF-9 BOARD (HiFi AUDEO)
IC006
MUTE SW
IC006 TK15120M
IN
OUT
VCC
GND
IN
OUT
MUTE
R014 820
R202 0
IC004
AMP
IC004 BA4560
C013 100 16V
C018 100 16V
C065 0.1 B
R201 0
C007 0.01 :PET
R001 1k
R044 12k
R048 100k
R008 6800
C014 10 16V
R006 470k
R004 560 (1/4W)
R303 0
C009 2.2 50V
C011 10 25V
C012 10 25V
C005 220 16V
C006 10 50V
R009 0
R007 100k
C015 10 16V
C004 2200p :PET
C003 4.7 25V
C002 0.022 :PET
C001 6.8 16V
C030 6.8 16V
C029 0.022 :PET
C028 4.7 25V
C027 2200p :PET
R - CH
RF OUT AGC
MIXG
NORM
MUTE
OUT
ST
DL
P
R
E
SUB
LEVEL SENSER
AUDIO FILTER
REC
AGC
CCA
LINE
HP. VOL.
C017 2.2 50V
R034 3300
IC001 AN3972FC
IC001
NOISE REDUCTION & EMPHASIS, OUTPUT SELECT
C026 220 16V
C025 10 50V
C022 2.2 50V
R045 12k
C019 10 25V
C020 10 25V
R015 560 (1/4W)
C024 0.01 :PET
R018 1k
R049 100k
C031 1 50V
R012 68k
R033 1k
C016 1 50V
C032 1 50V
R013 100k
R011 100k
R041 100k
R203 0
D002 1SS119
D001 1SS119
D003 1S2835
IC005
MUTE SW
IC005 TK15120M
R005 820
NO MARK : REC/PB
( ) : PB
R068 27k
R032 10k
R042 8.2k
RV003 22k
DEVIATION
VCO ADJ
RV002 4700
R035 6.8k
PB LEVEL
R037 33k
RV005 4.7k
C042 0.1 F
R003 1k
R002 12k
R017 1k
R016 12k
SW PULSE DELAY
R021 200
M/NORM SELECT
RV004 22k
C044 0.01 B
C045 0.068 :PET
RV006 47k
FL001 1.8MHz
BPF
R022 68k
C043 0.01 B
R023 1200
C033 1 50V
R019 560
C034 1000p :PET
C035 0.01 B
C036 4.7 25V
R020 10k
C037 4.7 25V
C038 0.01 B
C041 0.01 B
PF LPF
LPF
RF LIMIT
Vcc (Rch)
6dB
HEAD SW
F. F
6H HIGH
HOLD
AUDIO LIMIT
P. C
VCO
LOOP
D. O. DEC
OR
M. M.
L CH
(Lch)
Vcc
LINEAR
ENVE OUT
M. M.
X2
IC002 AN3932S
IC002
SWITCHING NOISE REDUCTION FM MOD/ DEMODE
R024 1200
C059 1 50V
C058 1000p :PET
C057 0.01 B
R029 2700
C056 4.7 25V
C055 4.7 25V
C054 0.01 B
R026 27k
R302 0
FL002 1.4MHz
BPF
R028 15k
RV008 4700
VCO ADJ
RV007 22k
PB LEVEL
R027 1200
C051 0.01 :PET
D004 1SS119
C050 220p CH
R025 3300
R036 6.8k
DEVIATION
RV009 22k
R043 8.2k
C052 0.01 B
C053 100 16V
R301 0
IC003
REGULATOR
IC003 NJM78L05
C060 0.01 B
C061 100 16V


7
8
9
10
11
12
13
14
15
16
17
18
CN001 15P
1 FROM REC VOL (R)
2 FROM REC VOL (L)
3 GND (AU)
4 LINE OUT (R)
5 LINE OUT (L)
6 GND (AU)
7 HP LEVEL
8 NOR AUDIO IN
9 HP (R)
10 HP (L)
11 MOD A OUT
12 OUTPUT SEL-1
13 OUTPUT SEL-2
14 A MUTE
15 UNSW 5.8V
TO MA-29 BOARD CN572
(See Page 131)
CN002 15P
1 REC RF
2 GND (AU)
3 AF RF 2
4 AF RF 1
5 N.C.
6 AF PB
7 LP/SP
8 ST/MIX
9 RF SWP
10 AF ENV OUT
11 GND (AU)
12 SW 12V
13 N.C.
14 GND (AU)
15 CHECK
TO MA 29 BOARD CN571
(See Page 131)
IC006 TK15120M
GND
IN
OUT
MUTE
R014 820
R202 0
IC004
AMP
IC004 BA4560
C013 100 16V
R201 0
C065 0.1 B
IC002
SWITCHING NOISE REDUCTION FM MOD/ DEMODE
IC002 AN3932S
IC003
REGULATOR
IC003 NJM78L05
R068 27k
R032 10k
R042 8.2k
RV003 22k
DEVIATION
VCO ADJ
RV002 4700
R035 6.8k
PB LEVEL
RV004 22k
R037 33k
RV005 47k
R021 200
M/NORM SELECT
C042 0.1 F
R003 1k
R002 12k
R017 1k
R016 12k
SW PULSE DELAY
RV006 47k
C045 0.068 PET
C044 0.01 B
R022 68k
FL001 1.8MHz
BPF
R023 1200
C043 0.01 B
C033 1 50V
C034 1000p PET
C035 0.01 B
R019 560
R020 10k
C036 4.7 25V
C037 4.7 25V
C038 0.01 B
C041 0.01 B
PF LPF
HOLD
AUDIO LIMIT
P.C
VCO
LPF
RF LIMIT
LOOP
Vcc (Rch)
+6dB
6H HIGH
HEAD SW
F.F
D.O. DEC
OR
M.M.
x2
L CH
(Lch)
Vcc
LINEAR
ENVE OUT
R024 1200
C059 1 50V
C058 1000p PE
C057 0.01 B
R029 2700
C056 4.7 25V
C055 4.7 25V
C054 0.01 B
R026 27k
R302 0
FL002 1.4MHz
BPF
R028 15k
RV008 4700
VCO ADJ
RV007 22k
PB LEVEL
R027 1200
C051 0.01 PET
D004 1SS119
C050 220p CH
R025 3300
R036 6.8k
DEVIATION
RV009 22k
R043 8.2k
C052 0.01 B
C053 100 16V
R301 0
C060 0.01 B
C061 100 16V
R203 0
D002 1SS119
D001 1SS119
D003 1S2835
C016 1 50V
R011 100k
R041 100k
VCC
OUT
IN
R005 820
TK15120M

- Signal path

⇨ : REC AUDIO Signal

⇨ : PB AUDIO Signal

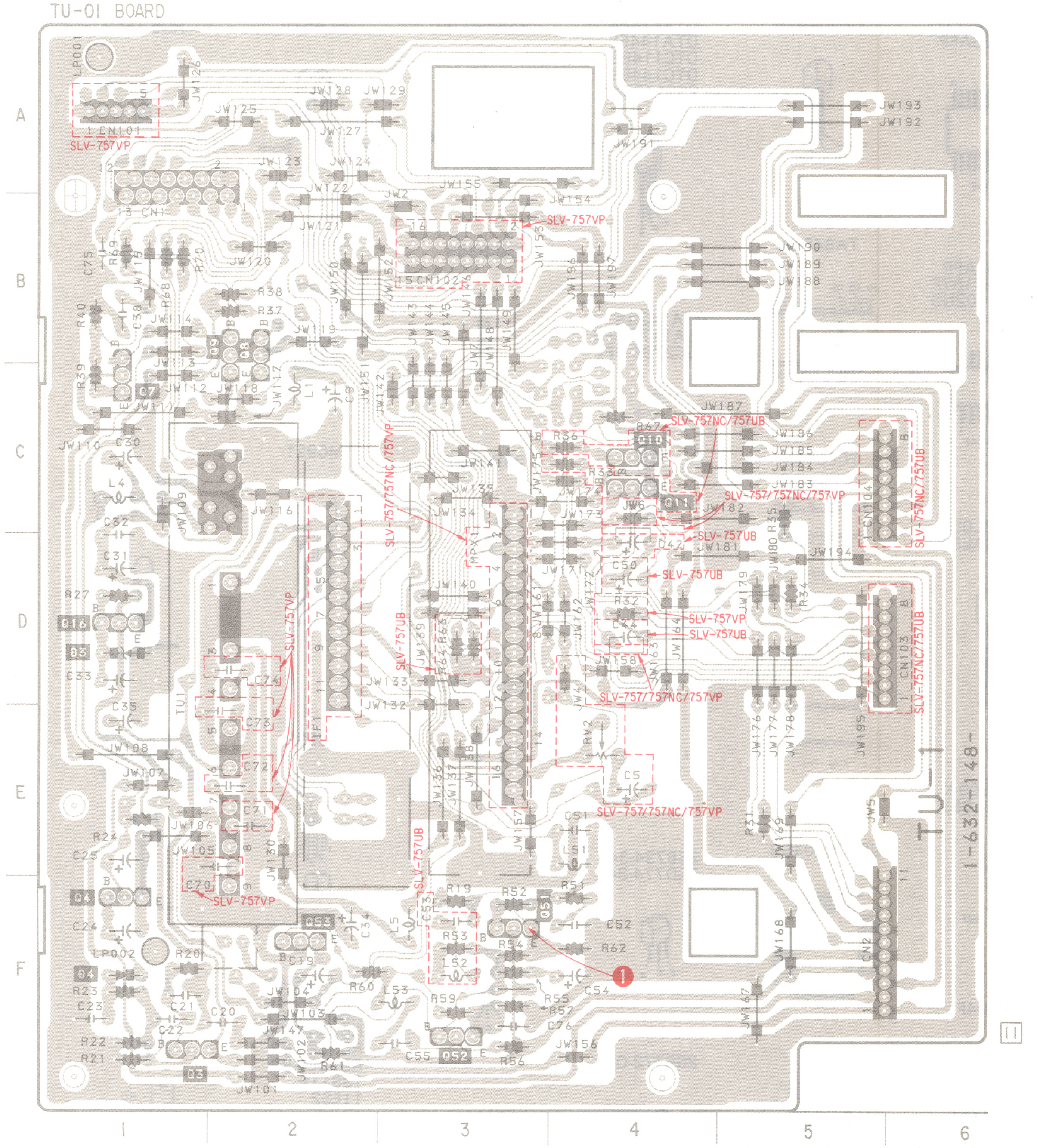
When indicating parts by reference number, please include the board name.

HiFi AUDIO HiFi AUDIO

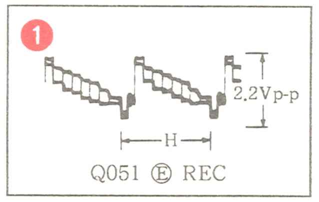
TU-01 (TUNER) PRINTED WIRING BOARD

TU-01 Board

D003	D-1
D004	F-1
Q003	F-1
Q004	F-1
Q007	C-1
Q008	B-2
Q009	B-2
Q010	C-4
Q011	C-4
Q016	D-1
Q051	F-3
Q052	F-3
Q053	F-2

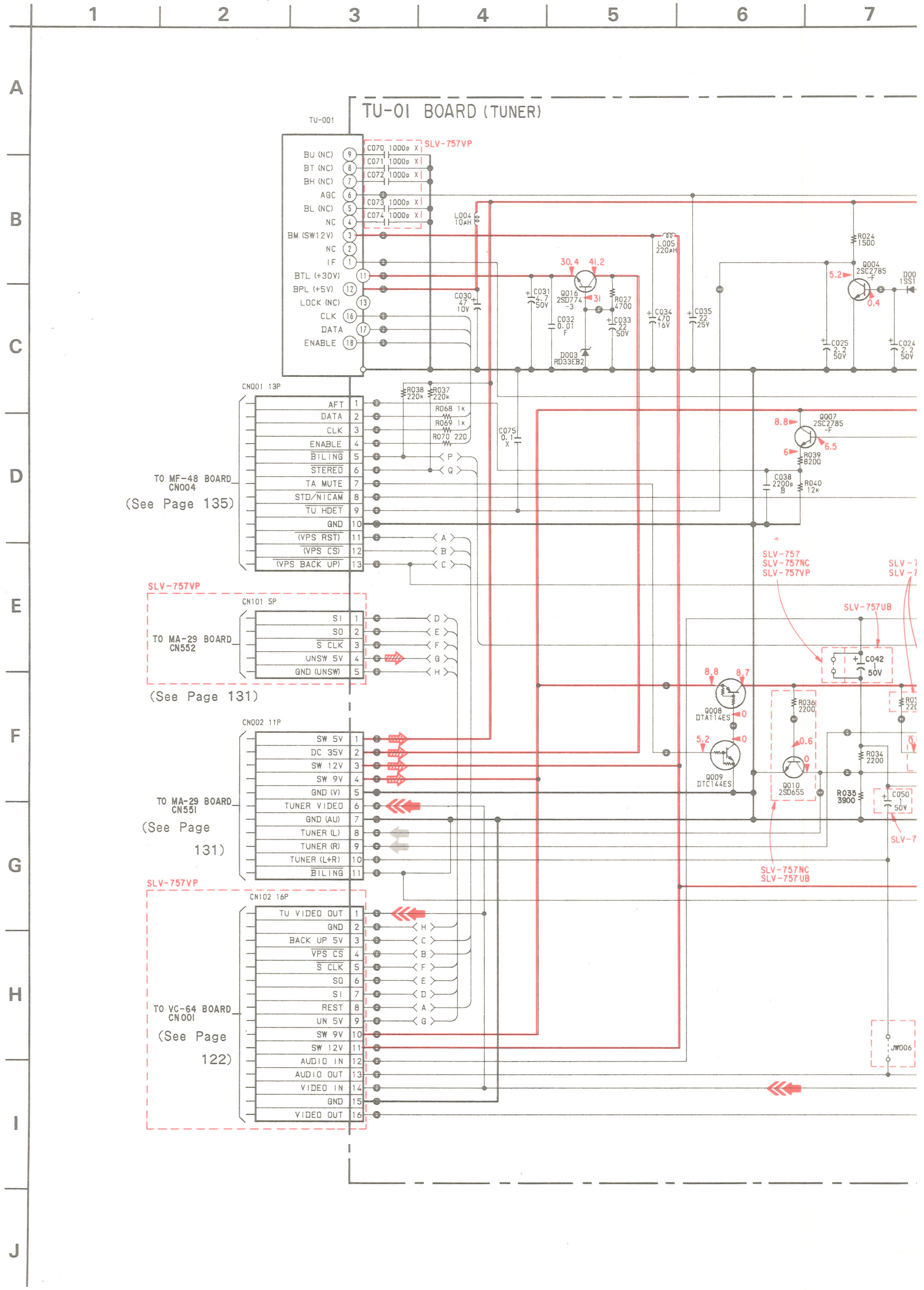

TU-01 BOARD
A
B
C
D
E
F
1
2
3
4
5
6
CN101
CN102
CN103
CN104
CN2
SLV-757VP
SLV-757UB
SLV-757NC/757UB
SLV-757/757NC/757VP
SLV-757/757NC/757UB
TU1
TU-1
1-632-148-
JW193
JW192
JW191
JW190
JW189
JW188
JW187
JW186
JW185
JW184
JW183
JW182
JW181
JW194
JW155
JW154
JW128
JW129
JW125
JW127
JW123
JW124
JW122
JW121
JW120
JW116
JW110
JW109
JW108
JW107
JW106
JW105
JW104
JW103
JW101
JW147
JW156
JW195
JW168
JW167
LP001
LP002
Q16
Q3
Q4
Q51
Q52
Q53
C75
C52
C54
C51
C5
R62
R52
R51
R53
R54
R55
R56
R57
R59
R60
R61
R19
R20
R21
R22
R23
R24
R27
R37
R38
R39
R40
R68
R69
C19
C20
C21
C22
C23
C24
C25
C30
C31
C32
C33
C35
C70
C71
C72
C73
C74
C55
C76
L1
L4
L5
L51
L52
L53
1

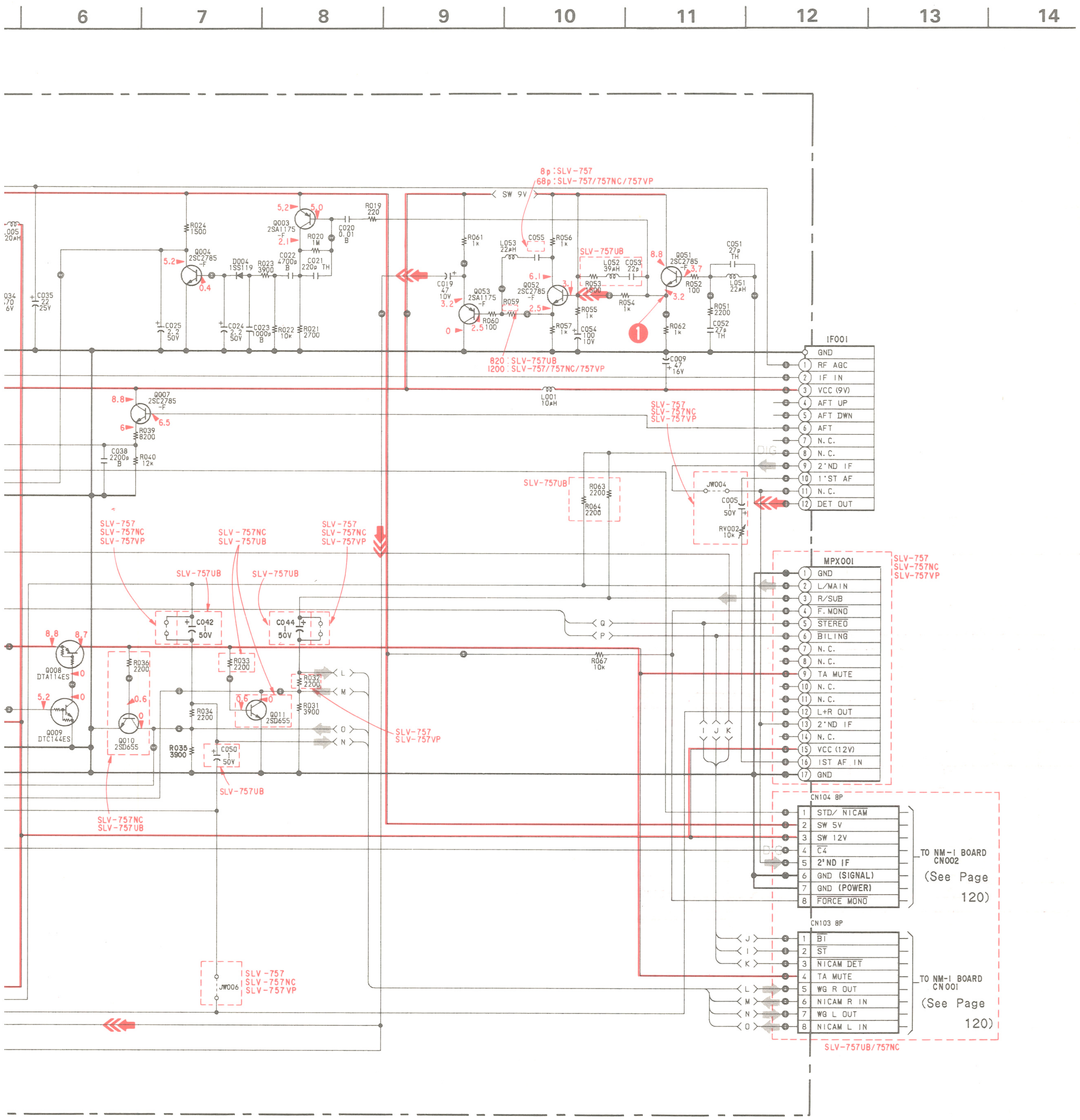
TU-01 BOARD



TU-01 (TUNER) SCHEMATIC DIAGRAM

—Ref. No. TU-01 BOARD : 4,000 Series—


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
I
J
TU-01 BOARD (TUNER)
TU-001
BU (NC)
BT (NC)
BH (NC)
AGC
BL (NC)
NC
BM (SW12V)
NC
IF
BTL (+30V)
BPL (+5V)
LOCK (NC)
CLK
DATA
ENABLE
SLV-757VP
CN001 13P
AFT
DATA
CLK
ENABLE
BILING
STEREO
TA MUTE
STD/NICAM
TU HDET
GND
(VPS RST)
(VPS CS)
(VPS BACK UP)
TO MF-48 BOARD CN004
(See Page 135)
CN101 5P
SI
SO
S CLK
UNSW 5V
GND (UNSW)
TO MA-29 BOARD CN552
(See Page 131)
CN002 11P
SW 5V
DC 35V
SW 12V
SW 9V
GND (V)
TUNER VIDEO
GND (AU)
TUNER (L)
TUNER (R)
TUNER (L+R)
BILING
TO MA-29 BOARD CN551
(See Page 131)
CN102 16P
TU VIDEO OUT
GND
BACK UP 5V
VPS CS
S CLK
SO
SI
REST
UN 5V
SW 9V
SW 12V
AUDIO IN
AUDIO OUT
VIDEO IN
GND
VIDEO OUT
TO VC-64 BOARD CN001
(See Page 122)
Q016 2SD774
Q004 2SC2785
Q007 2SC2785
Q008 DTA114ES
Q009 DTC144ES
Q010 2SD655
D003 RD33EB2
L004 10μH
L005 220μH
SLV-757
SLV-757NC
SLV-757VP
SLV-757UB
C042 50V
JW006


6
7
8
9
10
11
12
13
14
SW 9V
8p : SLV-757
68p : SLV-757/757NC/757VP
SLV-757UB
820 SLV-757UB
1200 SLV-757/757NC/757VP
Q003 2SA1175
Q004 2SC2785
Q007 2SC2785
Q051 2SC2785
Q052 2SC2785
Q053 2SA1175
Q008 DTA114ES
Q009 DTC144ES
Q010 2SD655
Q011 2SD655
D004 1SS119
L001 10μH
L051 22μH
L052 39μH
L053 22μH
IF001
1 RF AGC
2 IF IN
3 VCC (9V)
4 AFT UP
5 AFT DWN
6 AFT
7 N.C.
8 N.C.
9 2'ND IF
10 1'ST AF
11 N.C.
12 DET OUT
GND
DIG
JW004
C005 50V
RV002 10k
SLV-757
SLV-757NC
SLV-757VP
MPX001
1 GND
2 L/MAIN
3 R/SUB
4 F.MONO
5 STEREO
6 BILING
7 N.C.
8 N.C.
9 TA MUTE
10 N.C.
11 N.C.
12 L+R OUT
13 2'ND IF
14 N.C.
15 VCC (12V)
16 1ST AF IN
17 GND
CN104 8P
1 STD/NICAM
2 SW 5V
3 SW 12V
4 C4
5 2'ND IF
6 GND (SIGNAL)
7 GND (POWER)
8 FORCE MONO
TO NM-1 BOARD CN002 (See Page 120)
CN103 8P
1 BI
2 ST
3 NICAM DET
4 TA MUTE
5 WG R OUT
6 NICAM R IN
7 WG L OUT
8 NICAM L IN
TO NM-1 BOARD CN001 (See Page 120)
SLV-757UB/757NC
JW006
SLV-757NC
SLV-757UB
C042 50V
C044 50V
C050 50V
R067 10k
1

- Signal path

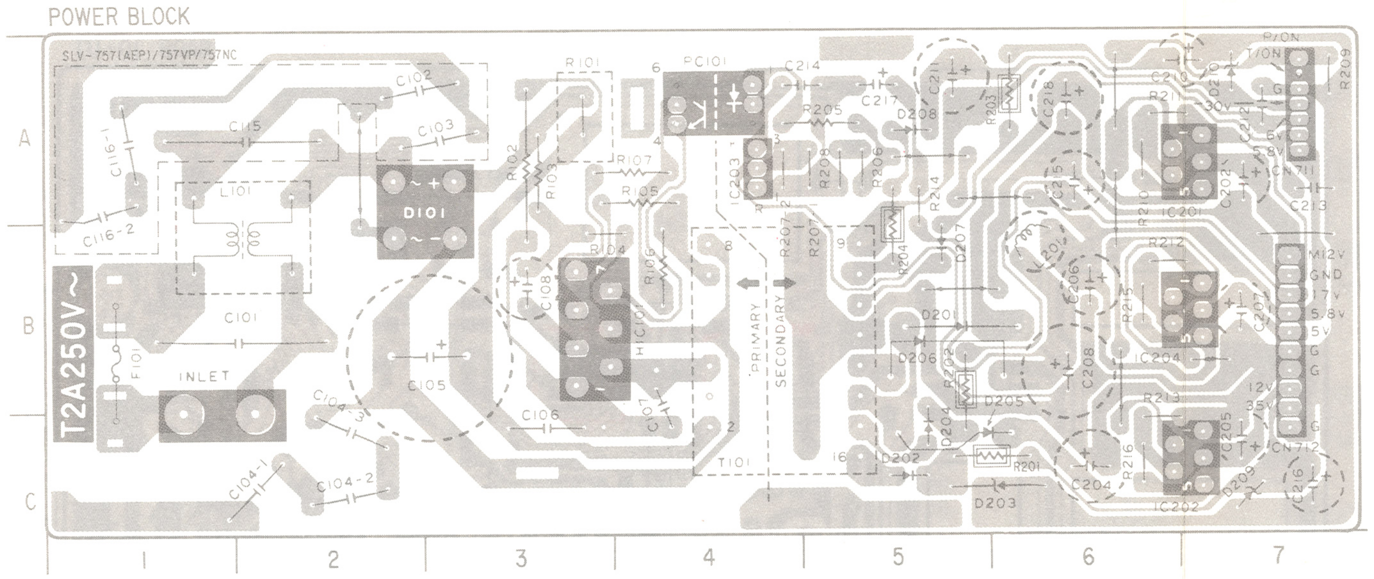
⇨ : REC AUDIO Signal

DIG ⇨ : WRITE AUDIO Signal

⇛ : REC Y／CHROMA Signal

When indicating parts by reference number, please include the board name.

POWER BLOCK PRINTED WIRING BOARD

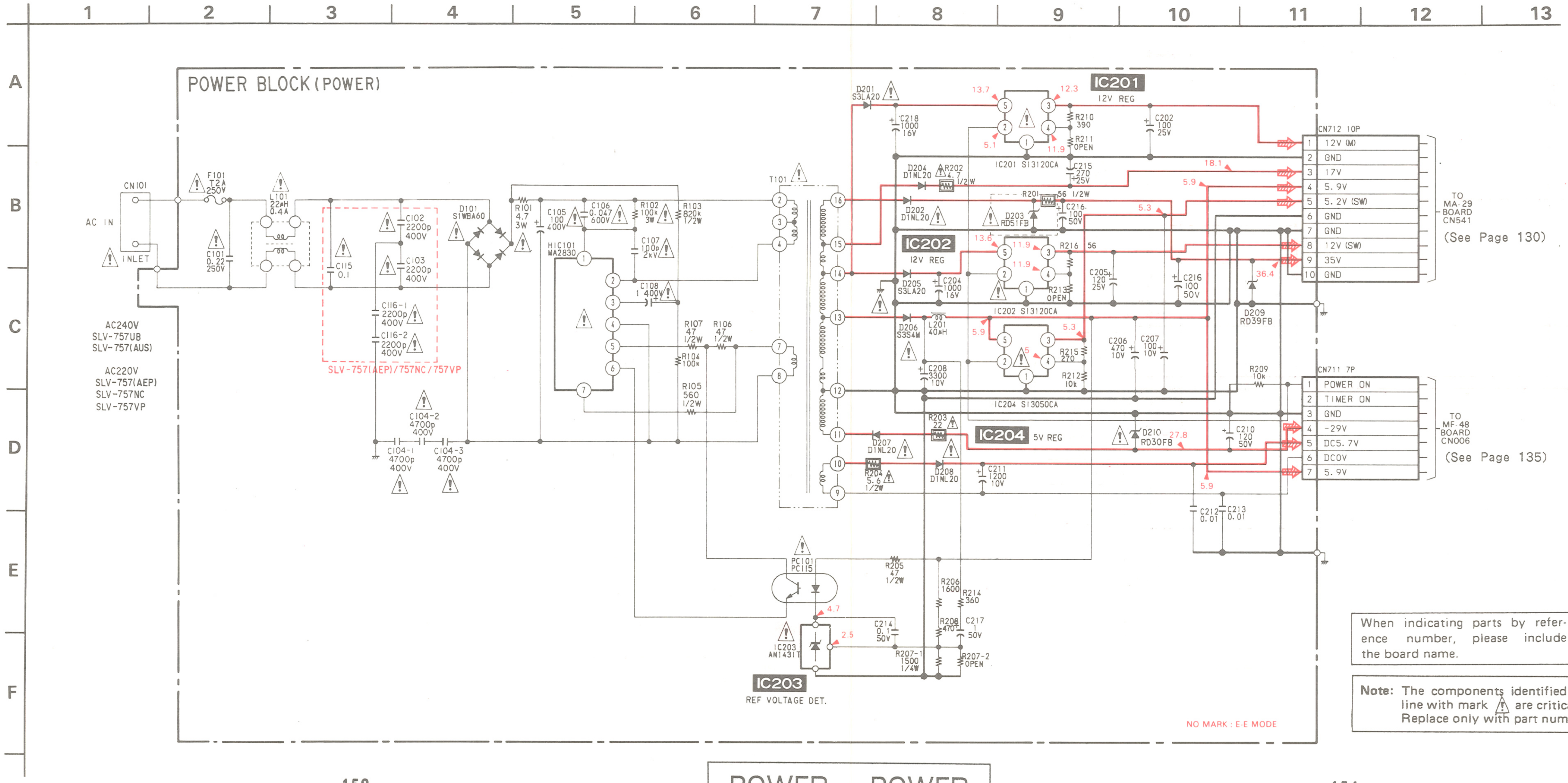


POWER BLOCK
SLV-757(AEP)/757VP/757NC
T2A250V~
INLET
D101
T101
PRIMARY
SECONDARY
IC201
IC202
IC203
IC204
CN711
CN712
A
B
C
1
2
3
4
5
6
7

POWER BLOCK

D101	A-2
D201	B-5
D202	C-5
D203	C-6
D204	C-5
D205	C-5
D206	B-5
D207	B-5
D208	A-5
D209	C-7
IC201	A-6
IC202	C-6
IC203	A-4
IC204	B-6

POWER BLOCK SCHEMATIC DIAGRAM



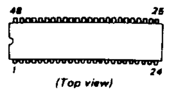
POWER BLOCK (POWER)
AC IN
CN101
INLET
AC240V
SLV-757UB
SLV-757(AUS)
AC220V
SLV-757(AEP)
SLV-757NC
SLV-757VP
F101 T2A 250V
L101 22mH 0.4A
C101 0.22 250V
C102 2200p 400V
C103 2200p 400V
C115 0.1
C116-1 2200p 400V
C116-2 2200p 400V
SLV-757(AEP)/757NC/757VP
C104-1 4700p 400V
C104-2 4700p 400V
C104-3 4700p 400V
D101 S1WBA60
R101 4.7 3W
HIC101 MA2830
C105 100 400V
C106 0.047 600V
R102 100k 3W
R103 820k 1/2W
C107 100p 2kV
C108 1 400V
R107 47 1/2W
R106 47 1/2W
R104 100k
R105 560 1/2W
T101
PC101 PC115
IC203 AN1431T
IC203
REF VOLTAGE DET.
D201 S3LA20
C218 1000 16V
IC201
12V REG
R210 390
R211 OPEN
C202 100 25V
IC201 S13120CA
D204 D1NL20
R202 4.7 1/2W
C215 270 25V
R201 56 1/2W
D202 D1NL20
D203 RD5.1FB
C216 100 50V
IC202
12V REG
R216 56
D205 S3LA20
C204 1000 16V
R213 OPEN
C205 120 25V
C216 100 50V
IC202 S13120CA
D206 S3S4M
L201 40μH
C206 470 10V
C207 100 10V
R215 270
R212 10k
C208 3300 10V
IC204 S13050CA
D209 RD39FB
R209 10k
R203 22
D207 D1NL20
IC204
5V REG
D210 RD30FB
C210 120 50V
R204 5.6 1/2W
D208 D1NL20
C211 1200 10V
C212 0.01
C213 0.01
R205 47 1/2W
R206 1600
R214 360
R208 470
C217 1 50V
C214 0.1 50V
R207-1 1500 1/4W
R207-2 OPEN
13.7
12.3
5.1
11.9
18.1
5.9
5.3
13.6
11.9
11.9
36.4
5.9
5.3
27.8
5.9
4.7
2.5
CN712 10P
1 12V (M)
2 GND
3 17V
4 5.9V
5 5.2V (SW)
6 GND
7 GND
8 12V (SW)
9 35V
10 GND
TO MA-29 BOARD CN541
(See Page 130)
CN711 7P
1 POWER ON
2 TIMER ON
3 GND
4 -29V
5 DC5.7V
6 DCOV
7 5.9V
TO MF-48 BOARD CN006
(See Page 135)
NO MARK : E-E MODE
A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
10
11
12
13

When indicating parts by reference number, please include the board name.

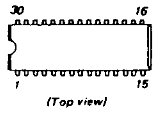
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

5-3. SEMICONDUCTORS

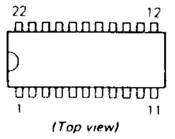
AN3231K


48
25
1
24
(Top view)

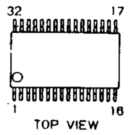
AN3493K
HA118016NT
HA118019NT
TA8662N


30
16
1
15
(Top view)

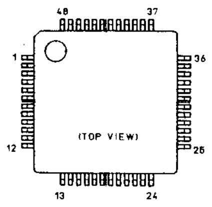
AN3592K


22
12
1
11
(Top view)

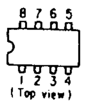
AN3932S


32
17
1
16
TOP VIEW

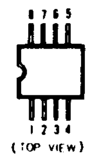
AN3972FC


48
37
1
36
12
25
13
24
(TOP VIEW)

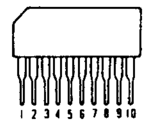
BA4560
CAT59C11P
CXL5003P
LM358N
MSM6989RS
NE5532P
UPC1555C


8 7 6 5
1 2 3 4
(Top view)

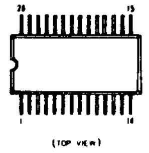
BA4560F
NJM2230M
TK15120M


8 7 6 5
1 2 3 4
(TOP VIEW)

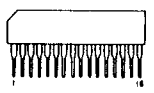
BA6238A


1 2 3 4 5 6 7 8 9 10

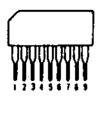
BA6800AF


28
15
1
14
(TOP VIEW)

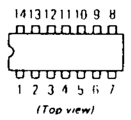
BA7007



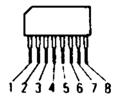
BA7021



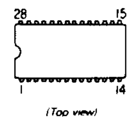
BA10324
MC14066BCP
SDA5642


14 13 12 11 10 9 8
1 2 3 4 5 6 7
(Top view)

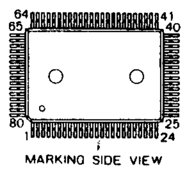
CX20061
LA7016
M5201L



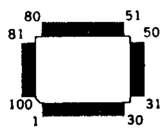
CXK5864BSP-10L
M51271FP


28
15
1
14
(Top view)

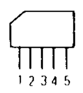
CXP80116-636Q
M50541FP


64
41
65
40
80
25
1
24
MARKING SIDE VIEW

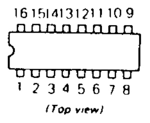
HA12115MP
MB89793B


80
51
81
50
100
31
1
30

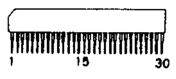
LA7213



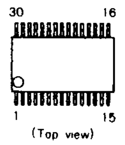
LA7235
MB88307P


16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
(Top view)

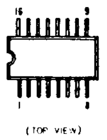
LA7297



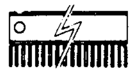
LC6543H-3967


30
16
1
15
(Top view)

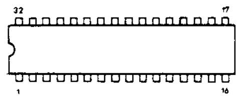
MC14053BF


16
9
1
8
(TOP VIEW)

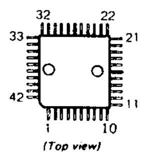
M5M4C500L



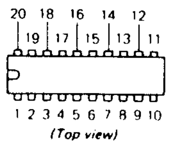
M50455


32
17
1
16
(TOP VIEW)

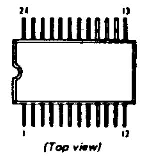
M51285BFP-V


32
22
33
21
42
11
1
10
(Top view)

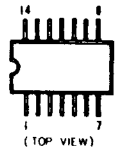
M52435P


20 18 16 14 12
19 17 15 13 11
1 2 3 4 5 6 7 8 9 10
(Top view)

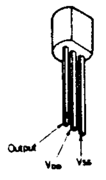
M52682FP-V
M52686AFP


24
13
1
12
(Top view)

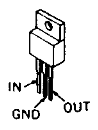
M52684AFP
MC74HC157F
SN74HC02NS


14
8
1
7
(TOP VIEW)

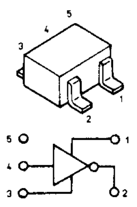
NJM78L05A
S-8053ALB


Output
VDD
VSS

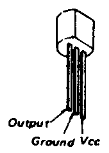
NJM7809-K
UPC78L08J



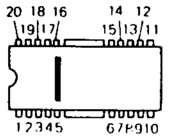
SC7S04F


5
4
3
1
2
5
4
3
1
2

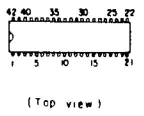
S-8054ALR


Output
Ground
Vcc

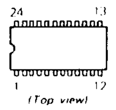
TA8424F


20 18 16 14 12
19 17 15 13 11
1 2 3 4 5
6 7 8 9 10

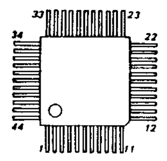
TC6011N


42 40 35 30 25 22
1 5 10 15 21
(Top view)

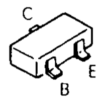
TD6710AN


24
13
1
12
(Top view)

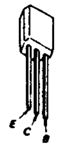
UPD75004GB


33
23
34
22
44
12
1
11

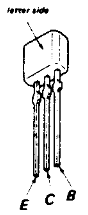
DTA114EK
DTA143EK
DTA144EK
DTC144EK
DTC144WK
2SA812-M5
2SA1162
2SC1623-L6
2SC2412K-R
2SC2712



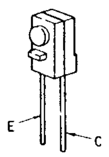
DTA114ES
DTA144ES
DTC114ES
DTC144ES
2SC1468S-S



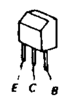
DTA143XS
2SA1175-HFE
2SC2785-HFE


letter side
E
C
B

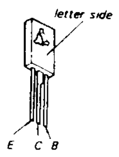
PT483F1



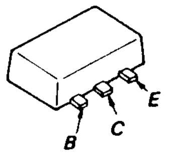
2SB734-34
2SD774-34



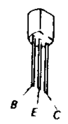
2SB772-Q


letter side
E
C
B

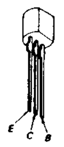
2SB1000AL



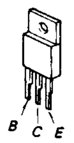
2SC3355



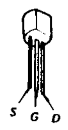
2SD655-F



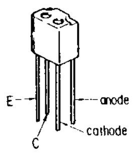
2SD1666-R



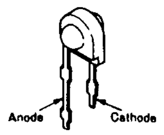
2SK105A-10



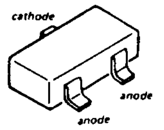
PS6002


E
anode
cathode
C

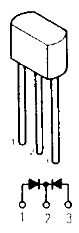
GL451V


Anode
Cathode

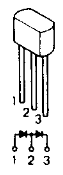
MA152WK


cathode
anode
anode

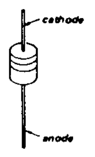
MC921



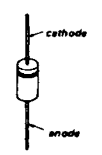
MC932



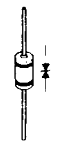
RD4.7ES-B1
RD6.2ES-B2
RD6.8ES-B2
RD8.2ES-B2
RD13ES-B2
RD33ES-B2
1SS119
11ES2


cathode
anode

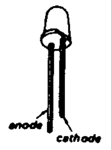
RD5.1EL2


cathode
anode

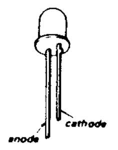
RD9.1EW



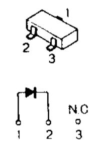
SLR-34DC3
SLR-34MC3
SLR-34VC3


anode
cathode

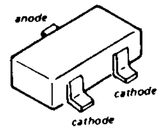
SLR-54DC3
SLR-54MC3
SLR-54VC3


anode
cathode

1SS190



1S2836


anode
cathode
cathode

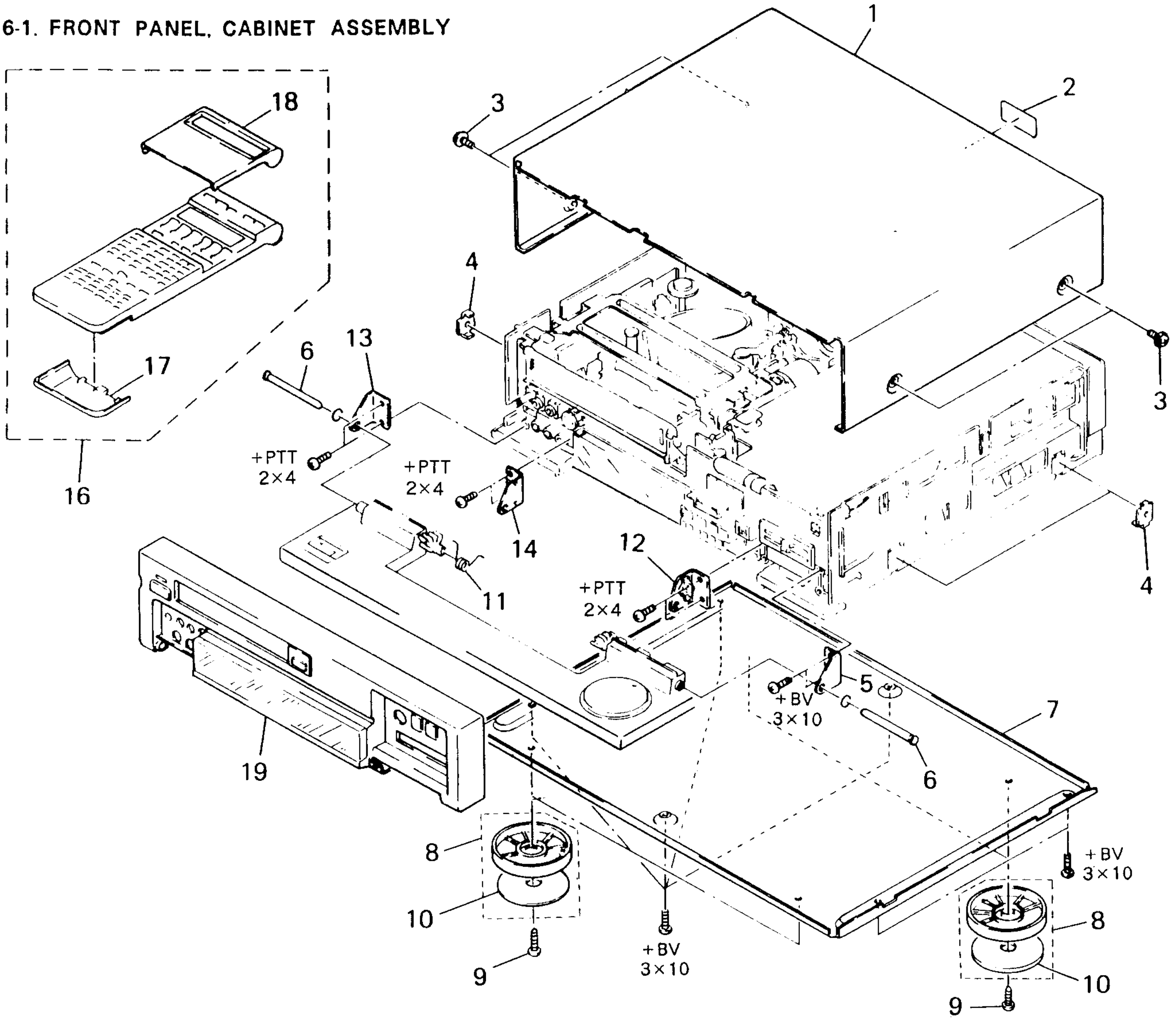
SECTION 6
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some differences from the original one.

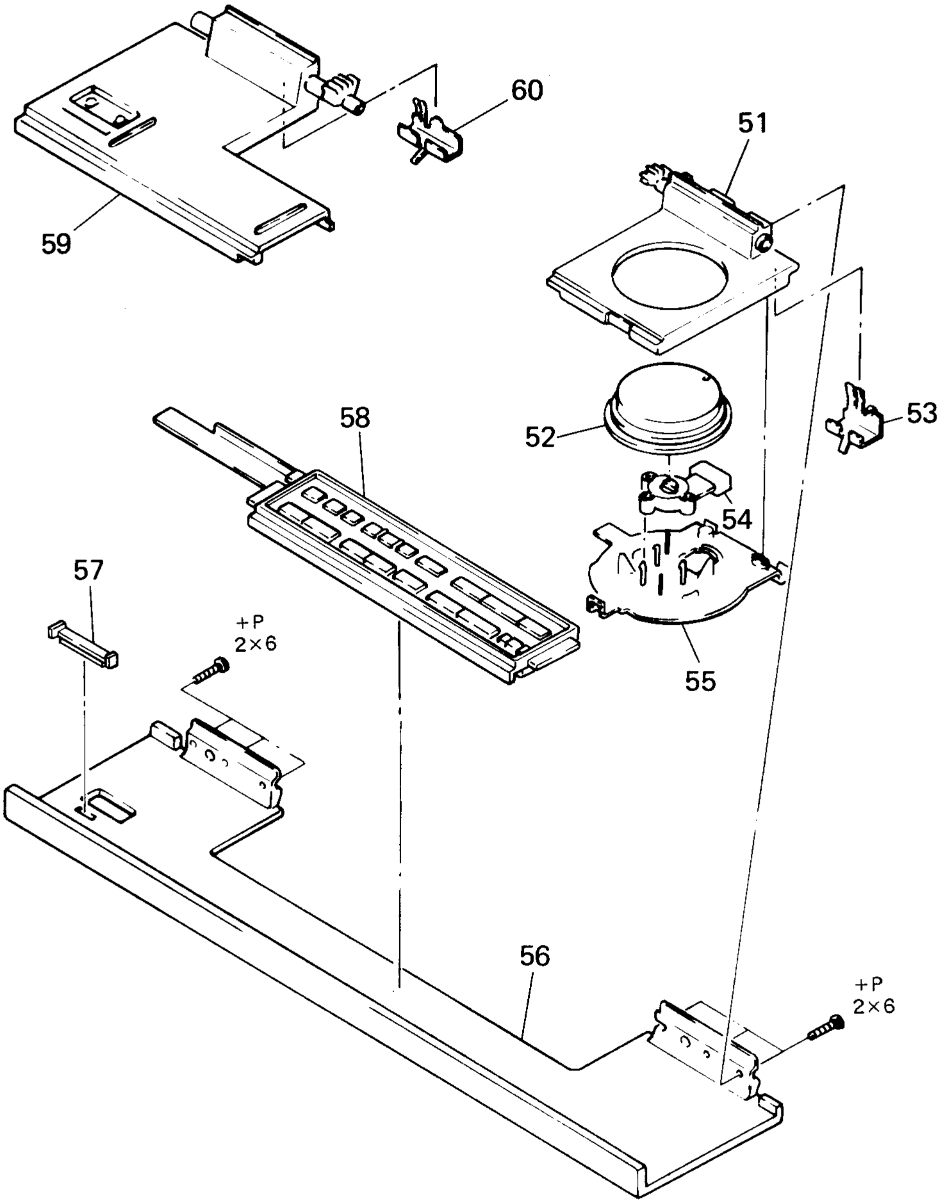
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

6-1. FRONT PANEL, CABINET ASSEMBLY



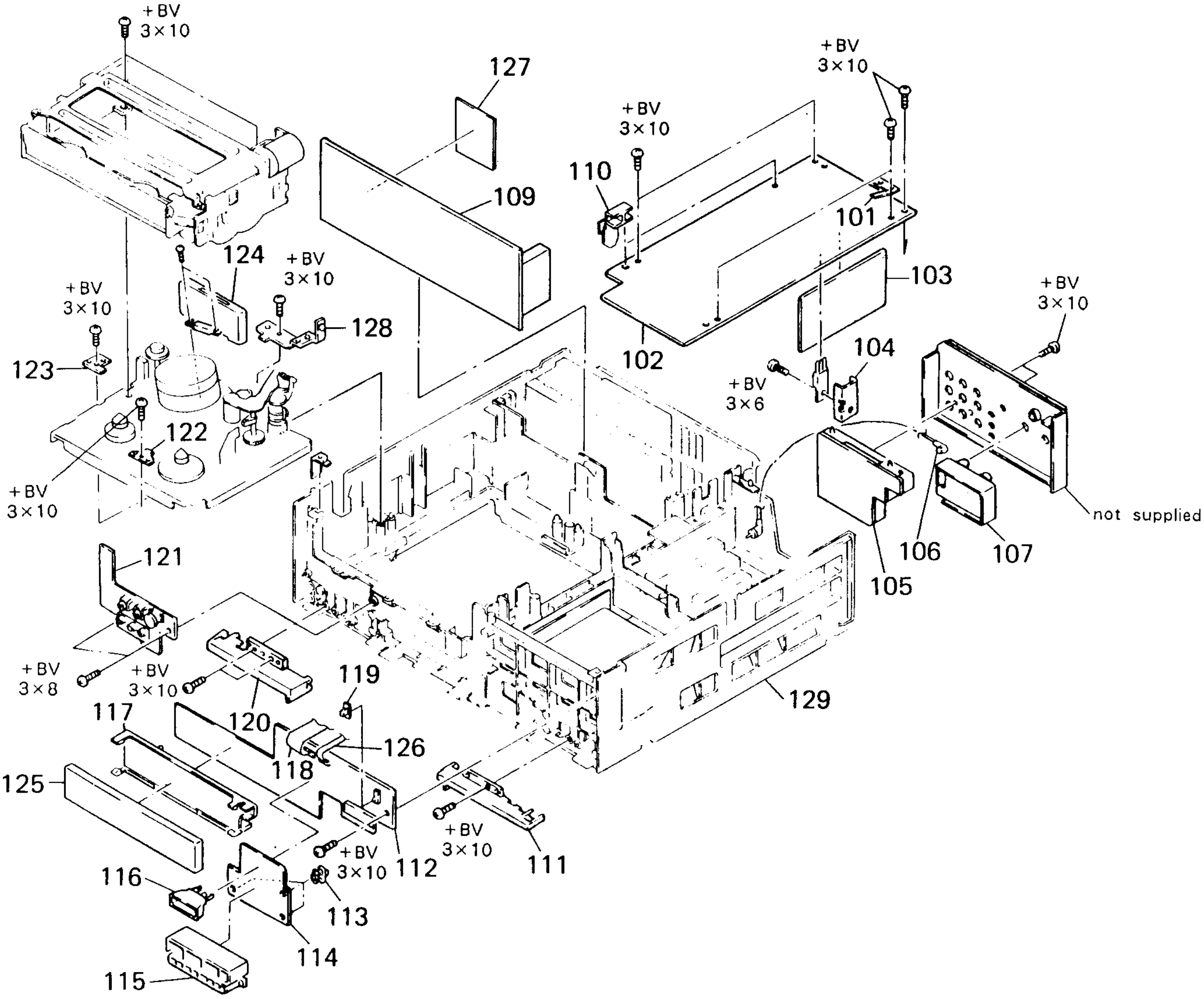
No.	Part No.	Description	Remark
1	3-729-959-11	CASE, UPPER	
2	*3-739-626-01	LABEL, MODEL NUMBER (NO.2)(SLV-757UB)	
	*3-739-632-01	LABEL, MODEL NUMBER (NO.2)(SLV-757(AEP))	
	*3-739-673-01	LABEL, MODEL NUMBER (NO.2) (SLV-757NC)	
	*3-739-698-01	LABEL, MODEL NUMBER (NO.2) (SLV-757VP)	
	*3-741-913-01	LABEL, MODEL NUMBER (NO.2)(SLV-757(AUS))	
3	3-710-901-11	SCREW (3X8), TAPPING	
4	3-729-998-01	BRACKET, UPPER CASE	
5	3-736-759-01	BRACKET (RIGHT)	
6	3-736-765-01	SHAFT, DOOR	
7	*3-729-960-01	PLATE, BOTTOM	
8	X-4922-508-1	FOOT ASSY	
9	3-721-343-01	SCREW, FIXED, M4X7	
10	4-922-942-01	FOOT (FELT)	
11	3-738-231-01	SPRING, TORSION	
12	A-6759-460-A	BRACKET (RIGHT) BLOCK ASSY	
13	3-736-764-01	BRACKET (LEFT)	
14	A-6759-459-A	BRACKET(LEFT)BLOCK ASSY, DAMPER	
16	A-6768-144-A	COMMANDER ASSY (RMT-V757B)	
17	2-181-766-01	COVER, BATTERY	
18	2-181-770-11	COVER, TIMER	
19	X-3729-971-1	PANEL ASSY, FRONT (SLV-757VP)	
	X-3729-974-1	PANEL ASSY, FRONT (SLV-757/UB/NC)	

6-2. CONTROL SWITCH BLOCK



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	X-3729-959-1	HINGE (RIGHT) ASSY		56	X-3729-973-1	SASH ASSY, ALUMINUM (SLV-757)	
52	3-736-774-01	RING, SHUTTLE			X-3729-998-1	SASH ASSY, ALUMINUM (SLV-757NC)	
53	3-736-754-01	PLATE (RIGHT), GROUND, DOOR		57	3-736-758-01	TIP (DOOR), POWER	
54	1-238-618-11	RES, VAR, CARBON 10K		58	1-466-143-51	CONTROL SWITCH BLOCK	
55	3-736-777-01	HOLDER, VOLUME		59	X-3729-928-1	HINGE (LEFT) ASSY	
56	X-3729-969-1	SASH ASSY, ALUMINUM (SLV-757UB)		60	3-736-755-01	PLATE (LEFT), GROUND, DOOR	
	X-3729-970-1	SASH ASSY, ALUMINUM (SLV-757VP)					

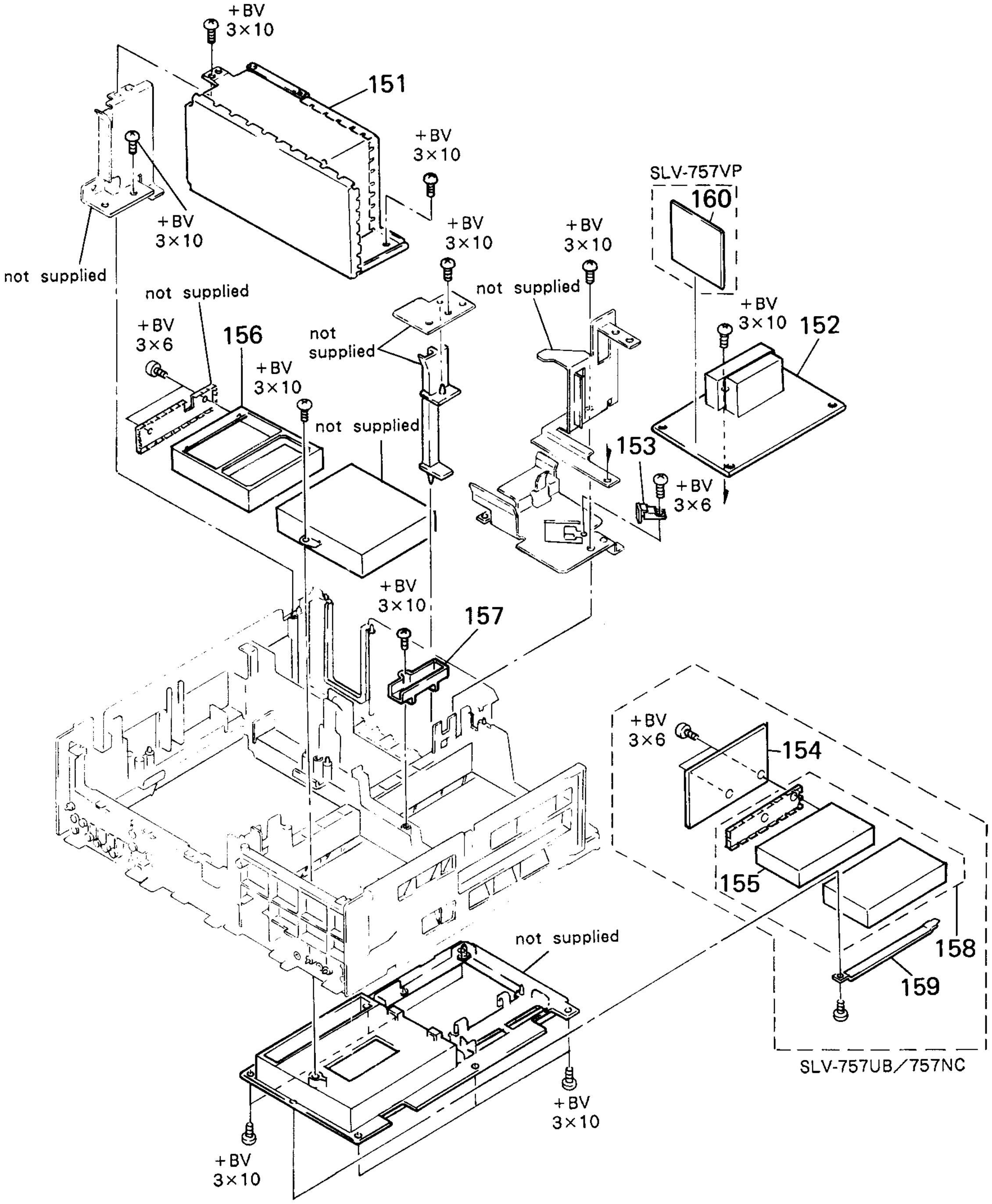
6-3. MAIN BOARD ASSEMBLY



Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark
101	*3-733-317-01	PLATE (1), GROUND	
102	*A-6717-557-A	MA-29 BOARD, COMPLETE (SLV-757UB)	
	*A-6717-558-A	MA-29 BOARD, COMPLETE (SLV-757VP)	
	*A-6717-559-A	MA-29 BOARD, COMPLETE (SLV-757/NC)	
103	*A-6713-376-A	HF-9 BOARD, COMPLETE (SLV-757UB)	
103	*A-6713-377-A	HF-9 BOARD, COMPLETE (SLV-757/VP/NC)	
104	*3-309-144-21	HEAT SINK	
105	*A-6729-959-A	IO-20 BOARD, COMPLETE (SLV-757UB)	
	*A-6729-960-A	IO-20 BOARD, COMPLETE (SLV-757/NC)	
	*A-6754-004-A	IO-20 BOARD, COMPLETE (SLV-757VP)	
106	*1-555-110-00	CABLE, PIN	
107	⚠1-466-206-11	MODULATOR, RF (RFU-2011) (SLV-757UB)	
	⚠1-466-199-11	MODULATOR, RF (RFU-2010) (SLV-757/VP/NC)	
109	*A-6727-133-A	YC-65 BOARD, COMPLETE (SLV-757UB)	
	*A-6727-136-A	YC-65 BOARD, COMPLETE (SLV-757/NC)	
	*A-6727-139-A	YC-65 BOARD, COMPLETE (SLV-757VP)	
110	*3-738-241-01	HINGE, PC BOARD	
111	3-736-775-01	STOPPER (RIGHT)	
112	*A-6725-704-A	MF-48 BOARD, COMPLETE (SLV-757UB)	
	*A-6725-706-A	MF-48 BOARD, COMPLETE (SLV-757VP)	
	*A-6725-707-A	MF-48 BOARD, COMPLETE (SLV-757/NC)	
113	4-609-422-01	RIVET (U), NYLON	
114	*A-6729-905-A	MF-66 BOARD, COMPLETE (SLV-757/VP/NC)	
	A-6729-974-A	MF-66 BOARD, COMPLETE (SLV-757UB)	
115	*3-736-784-01	COVER, LAMP	
116	*3-727-739-01	HOLDER, LED	
117	*3-736-785-01	HOLDER, FL	
118	*1-558-207-11	WIRE, PVC (FLAT TYPE) (20 CORE)	
119	3-727-718-01	KNOB, SLIDE	
120	3-736-778-01	STOPPER (LEFT)	
121	*A-6725-705-A	MF-49 BOARD, COMPLETE (SLV-757UB)	
121	*A-6725-708-A	MF-49 BOARD, COMPLETE (SLV-757/VP/NC)	
122	3-736-194-01	BRACKET (FRONT), MD	
123	3-729-938-01	RETAINER (LEFT), MD	
124	*A-6727-135-A	RP-63 BOARD, COMPLETE (SLV-757UB)	
	*A-6727-137-A	RP-63 BOARD, COMPLETE (SLV-757/VP/NC)	
125	1-519-507-31	INDICATOR TUBE, FLUORESCENT	
126	1-575-022-11	WIRE, FLAT TYPE 13P	
127	*A-6726-149-A	SD-A BOARD, COMPLETE (SLV-757VP)	
128	3-738-249-01	PLATE FIXED, MD	
129	*3-733-312-32	FRAME MOLD	

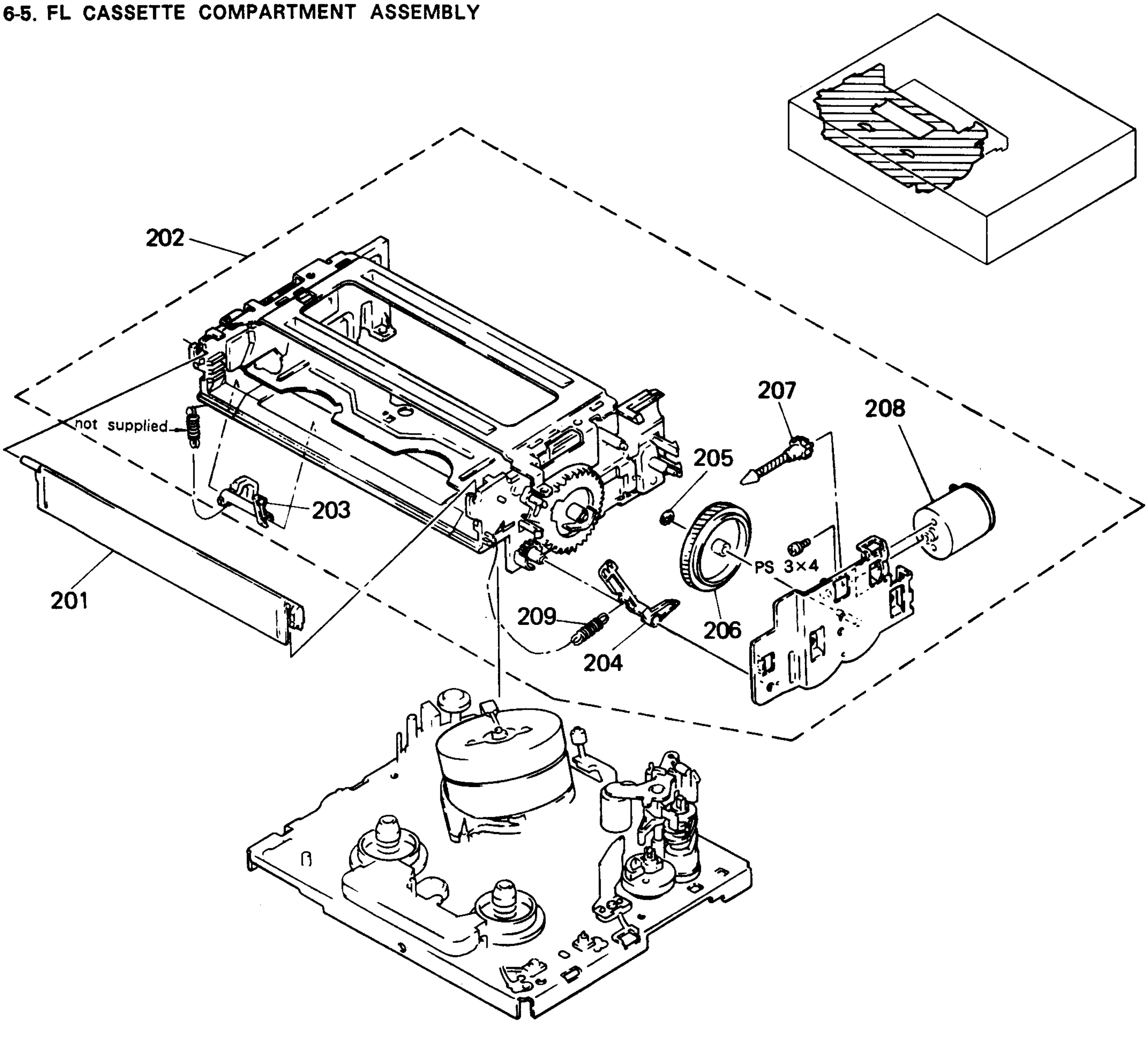
6-4. TUNER, POWER BLOCK


+BV
3×10
151
+BV
3×10
SLV-757VP
160
+BV
3×10
+BV
3×10
+BV
3×10
not supplied
not supplied
not supplied
+BV
3×10
152
+BV
3×6
156
not
supplied
+BV
3×10
not supplied
153
+BV
3×6
+BV
3×10
157
+BV
3×6
154
155
158
159
not supplied
SLV-757UB/757NC
+BV
3×10
+BV
3×10

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

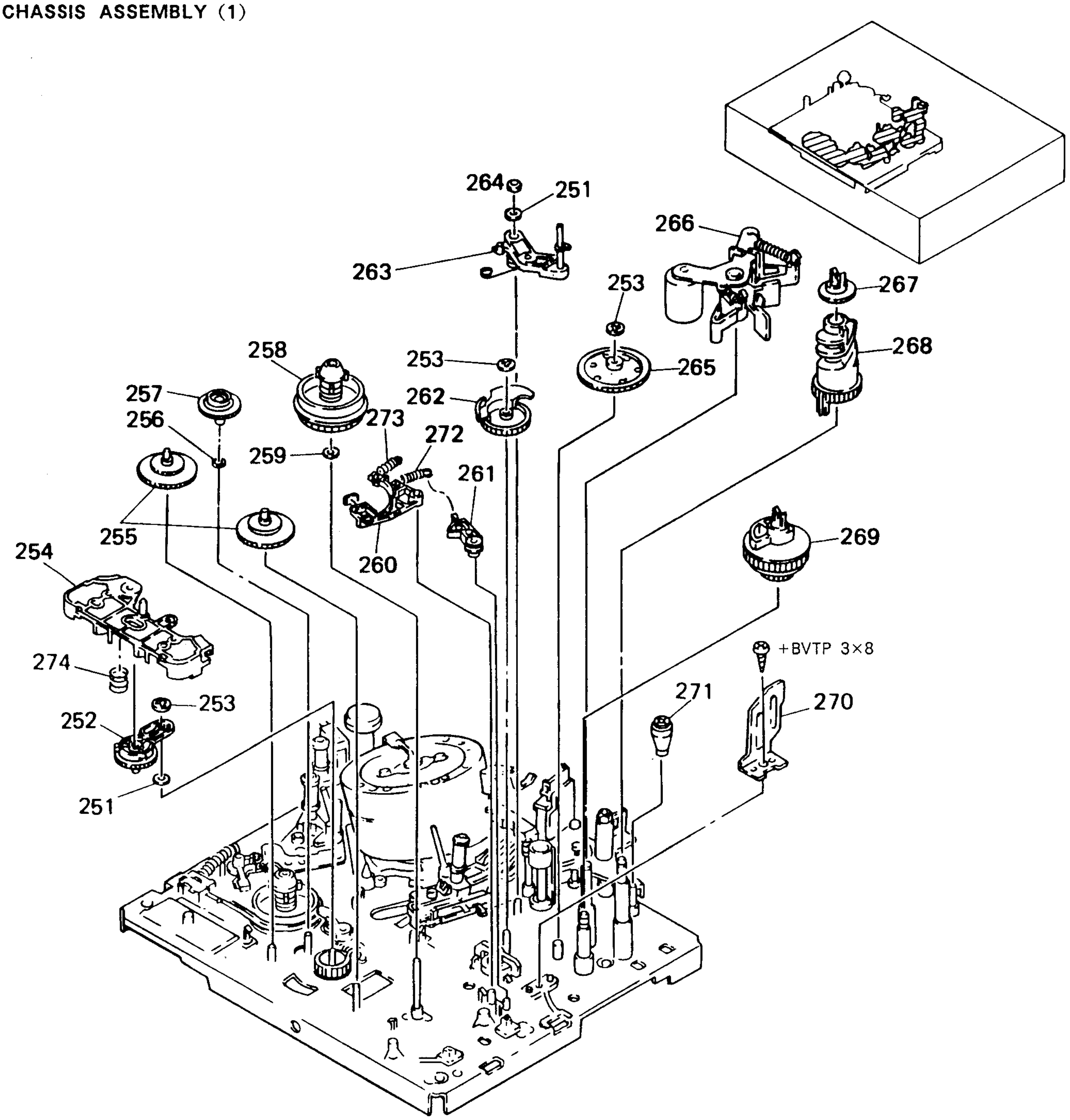
No.	Part No.	Description	Remark
151	⚠1-413-469-11	POWER BLOCK (SLV-757(AEP)/VP/VC)	
	⚠1-413-470-11	POWER BLOCK (SLV-757(AUS)/UB)	
152	*A-6721-309-A	TU-01 BOARD, COMPLETE (SLV-757UB)	
	*A-6721-310-A	TU-01 BOARD, COMPLETE (SLV-757VP)	
	*A-6721-311-A	TU-01 BOARD, COMPLETE (SLV-757)	
	*A-6721-315-A	TU-01 BOARD, COMPLETE (SLV-757NC)	
153	*1-631-348-11	TR-35 BOARD	
154	*1-632-333-11	NM-1 BOARD (SLV-757UB/NC)	
155	*A-6721-313-A	NA-7 BOARD, COMPLETE (SLV-757NC)	
	*A-6721-312-A	NA-7 BOARD, COMPLETE (SLV-757UB)	
156	*A-6727-134-A	DG-2 BOARD, COMPLETE (SLV-757UB)	
	*A-6727-138-A	DG-2 BOARD, COMPLETE (SLV-757/VP/NC)	
157	*3-739-694-01	RETAINER, VC PC BOARD (SLV-757VP)	
158	*A-6771-194-A	CASE BLOCK ASSY, NA (SLV-757UB)	
159	*3-739-672-01	BRACKET, NAICAM (SLV-757UB/NC)	
160	*A-6729-940-A	VC-64 BOARD, COMPLETE (SLV-757VP)	

6-5. FL CASSETTE COMPARTMENT ASSEMBLY


202
not supplied
203
201
207
208
205
PS 3×4
206
209
204

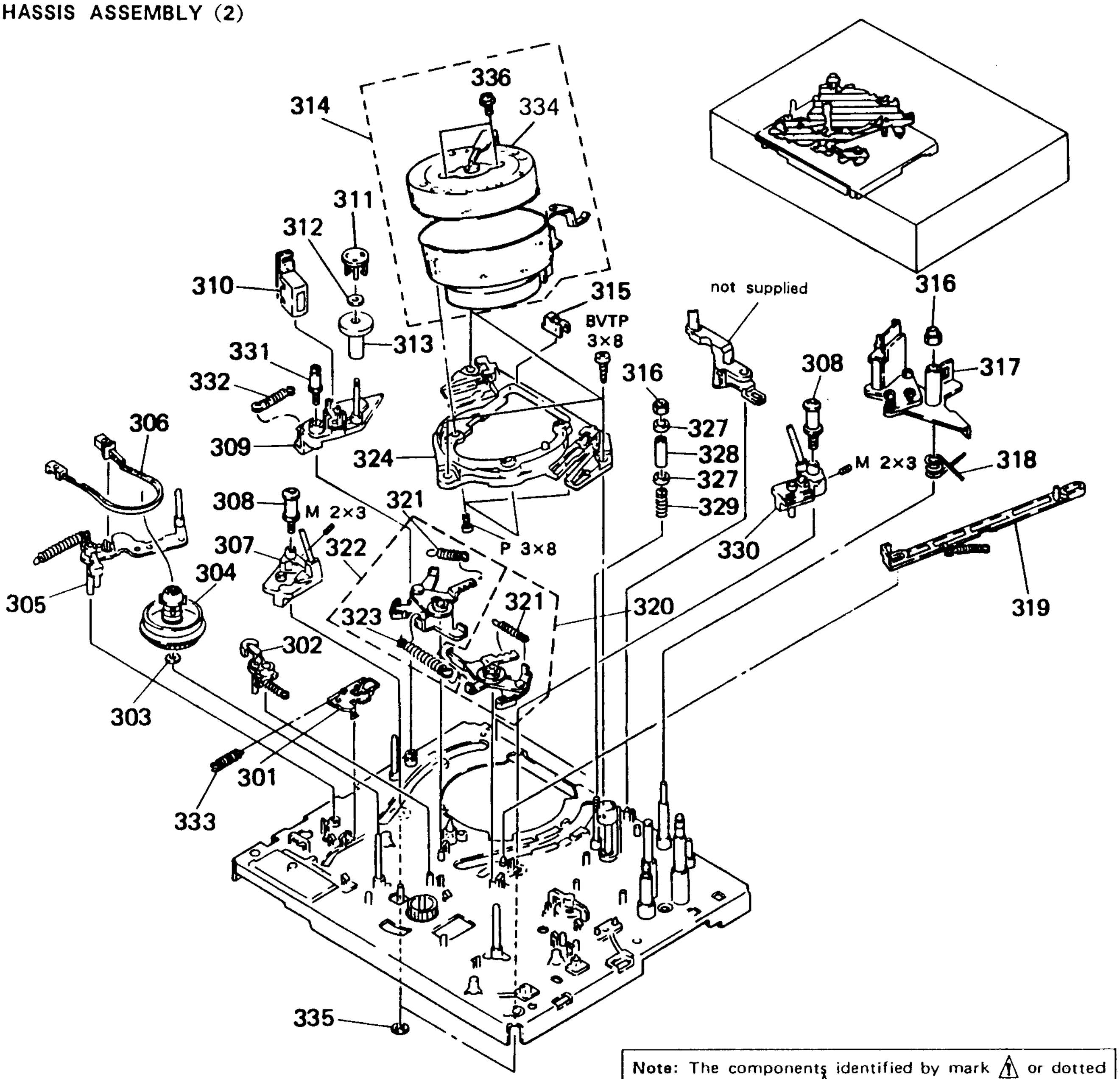
No.	Part No.	Description	Remark
201	X-3729-984-1	DOOR ASSY, FL	
202	A-6751-397-A	FL BLOCK ASSY	
203	3-736-163-01	LEVER, ERASING PROTECTION	
204	3-736-167-01	ARM, DOOR SWITCHING	
205	3-696-510-01	WASHER (3), STOPPER	
206	3-736-164-01	WHEEL (FL), WORM	
207	3-736-100-01	GEAR (FL), WORM	
208	X-3727-784-1	MOTOR ASSY (CM-14)	
209	3-738-285-01	SPRING, TENSION	

6-6. CHASSIS ASSEMBLY (1)


264
251
266
263
253
267
268
258
253
265
257
262
256
273
272
259
261
269
255
254
260
+BVTP 3×8
274
271
270
253
252
251

No.	Part No.	Description	Remark
251	3-701-438-11	WASHER, 2.5	
252	X-3727-776-1	ARM ASSY, PENDULUM	
253	3-669-595-00	WASHER (2), STOPPER	
254	3-736-172-01	RELEASE, LOCK, REEL	
255	X-3727-795-1	GEAR ASSY, RELAY	
256	3-736-074-01	RETAINER (SMALL), THRUST	
257	3-736-037-01	GEAR, REW	
258	X-3727-798-1	TABLE ASSY, REEL	
259	3-738-212-21	RETAINER, THRUST, REEL TABLE	
260	X-3727-764-1	BRAKE ASSY, T SOFT	
261	3-736-105-01	ARM, REV BRAKE	
262	3-736-143-01	GEAR, RVS CAM	
263	X-3729-911-1	ARM ASSY, RVS	
264	3-736-740-01	NUT, NYLON (N2)	
265	3-736-116-01	GEAR, COMMUNICATION	
266	X-3727-770-1	PINCH ROLLER BLOCK ASSY	
267	3-736-111-01	STOPPER	
268	3-736-136-01	CAM, ELEVATOR	
269	3-736-135-01	GEAR, PRESS CAM	
270	3-736-109-01	PLATE, OPEN, LID	
271	3-738-250-01	SCREW, AC ADJUSTMENT	
272	3-736-025-01	SPRING (REV BRAKE), TENSION	
273	3-736-024-01	SPRING, TENSION	
274	3-736-020-01	SPRING, COMPRESSION	

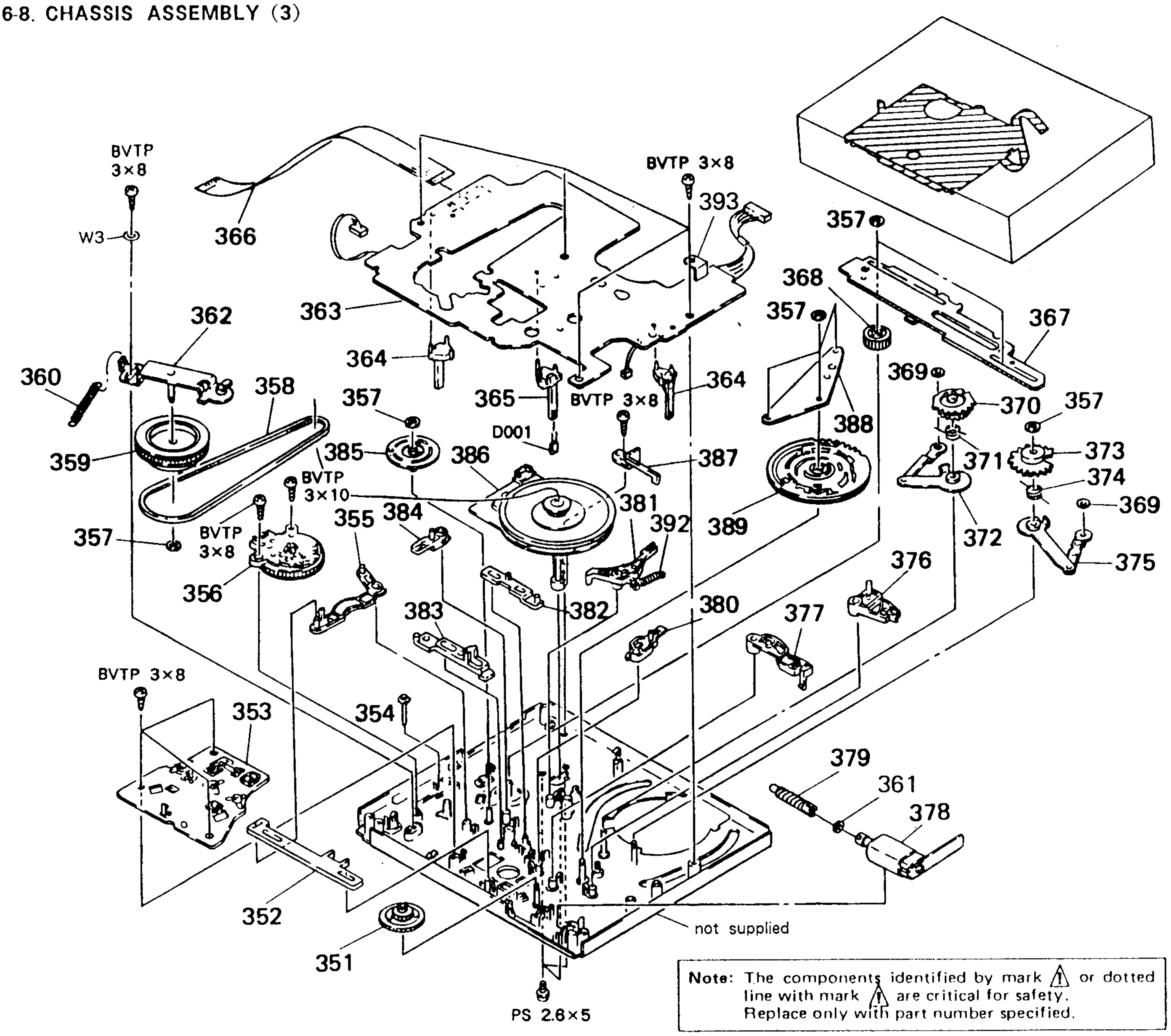
6-7. CHASSIS ASSEMBLY (2)


336
314
334
311
312
310
315
BVTP
3×8
not supplied
316
313
331
316
308
317
332
327
306
309
324
328
327
318
M 2×3
308
321
M 2×3
329
307
322
P 3×8
330
304
321
305
323
320
319
302
303
301
333
335

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remark
301	A-6759-483-A	TAKE-UP BLOCK ASSY (AT), S	
302	X-3727-773-1	ARM ASSY, S SOFT BRAKE	
303	3-738-212-21	RETAINER, THRUST, REEL TABLE	
304	X-3729-935-1	TABLE ASSY, REEL, SUPPLY	
305	X-3727-772-1	ARM ASSY, TENSION REGULATOR	
306	X-3727-797-1	BAND ASSY, TENSION REGULATOR	
307	X-3727-786-1	SHUTTLE (LEFT) ASSY	
308	X-3727-785-1	ROLLER ASSY, GUIDE	
309	X-3727-767-1	BASE ASSY, STABILIZER	
310	1-543-647-11	HEAD, FE (PC BOARD & CONNECTOR)	
311	3-735-082-01	RETAINER, TS THRUST	
312	3-669-465-00	WASHER (1.5), STOPPER	
313	X-3727-771-1	STABILIZER ASSY, TAPE	
314	⚠1-550-535-11	DRUM ASSY (DZH-17A-R)	
315	3-736-795-01	STOPPER	
316	3-735-041-01	NUT (N3), NYLON	
317	A-6761-129-A	HEAD BLOCK ASSY, ACE	
318	3-735-042-01	SPRING, TORSION	
319	X-3729-907-1	LEVER ASSY, RELEASE, C ROLLER	
320	X-3729-926-1	BRAKE ASSY (2), T	
321	3-738-220-01	SPRING (MAIN BRAKE 2), TENSION	
322	X-3729-925-1	BRAKE ASSY (2), S	
323	3-738-221-01	SPRING (MAIN BRAKE 1), TENSION	
324	X-3727-791-5	BASE ASSY, DRUM	
327	3-736-733-01	FLANGE, 7 GUIDE	
328	3-736-730-01	SLEEVE, #7 GUIDE	
329	3-736-729-01	SPRING, COMPRESSION	
330	X-3727-787-1	SHUTTLE (RIGHT) ASSY	
331	X-3727-788-1	ROLLER ASSY, GUIDE, #2	
332	3-736-745-01	SPRING	
333	3-738-284-01	SPRING, TENSION	
334	⚠1-550-536-11	DRUM ASSY, ROTARY UPPER (DZR-17-R)	
335	3-736-073-01	SLIDER, POLYETHYLENE	
336	2-643-205-01	SCREW (PSW) 3×8	

6-8. CHASSIS ASSEMBLY (3)



BVTP
3×8
W3
366
BVTP 3×8
393
357
368
357
367
362
363
364
360
358
365
BVTP 3×8
364
369
370
357
357
388
359
385
386
D001
387
373
371
BVTP
3×10
381
374
369
357
BVTP
3×8
355
384
392
389
372
375
356
376
383
382
380
377
BVTP 3×8
353
354
379
361
378
352
not supplied
351
PS 2.6×5

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remark
351	3-736-015-01	WHEEL (CAM), WORM	
352	3-736-158-01	PLATE, SLIDE, PENDULUM	
353	A-6739-084-A	CHASSIS BLOCK ASSY, SUB	
354	3-736-091-01	PIN, SWITCH	
355	X-3729-924-1	ARM ASSY, PENDULUM FUNCTION	
356	1-571-920-11	SWITCH, ROTARY (S1)	
357	3-669-595-00	WASHER (2), STOPPER	
358	3-736-013-01	BELT, TIMING	
359	X-3727-782-1	PULLEY ASSY	
360	3-736-089-01	SPRING, TENSION	
361	3-696-388-01	RUBBER, JOINT	
362	X-3727-761-1	ARM ASSY, ADJUSTMENT	
363	*1-630-650-16	MD-22 BOARD	
364	3-736-149-01	HOLDER, ST SENSOR	
365	3-736-144-01	HOLDER, LED	
366	1-574-795-11	WIRE, FLAT TYPE 22P	
367	3-736-177-01	PLATE, SLIDE, MODE	
368	3-733-394-01	GEAR, RVS RELAY	
369	3-736-073-01	SLIDER, POLYETHYLENE	
370	3-736-148-01	GEAR (RIGHT), THREADING	
371	3-736-092-01	SPRING (RIGHT), TORSION	
372	X-3727-777-1	ARM (RIGHT) ASSY, THREADING	
373	3-736-147-01	GEAR (LEFT), THREADING	
374	3-736-040-01	SPRING (LEFT), TORSION	
375	X-3727-778-1	ARM (LEFT) ASSY, THREADING	
376	3-736-142-01	ARM, TENSION REGULATOR FUNCTION	
377	3-736-140-01	ARM, S TAKE-UP	
378	X-3727-779-1	MOTOR ASSY, CAM (M903)	
379	3-733-395-01	GEAR (CAM), WORM	
380	3-733-397-01	ARM, BRAKE FUNCTION	
381	X-3727-769-1	BRAKE ASSY, CAP	
382	3-733-398-01	PLATE, SLIDE, BRAKE	
383	3-736-103-01	PLATE, SLIDE, LIMITER	
384	3-736-016-01	ARM, LIMITER FUNCTION	
385	3-736-170-01	GEAR, RKB CAM	
386	⚠8-835-350-02	MOTOR, DC U-26A (CAPSTAN) (M902)	
387	3-736-744-01	RETAINER, ROTOR	
388	3-733-396-01	HOLDER, CAM GEAR	
389	3-736-176-01	GEAR, CAM	
392	3-738-237-01	SPRING (CAP BRAKE), TENSION	
393	*3-739-652-01	PLATE (MD), GROUND	

SECTION 7

ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some difference frome the original one.
- SEMICONDUCTORS
  In each case, U: μ, for example:
  UA....: μA...., UPA....: μPA....,
  UPB....: μPB...., UPC....: μPC....,
  UPD....: μPD....
- CAPACITORS
  MF: μF, PF: μμF
- COILS
  MMH: mH, UH: μH

Ref.No	Part No.	Description			Remark
		(Ref.No 2,000 Series)			
	*A-6713-376-A	HF-9 BOARD, COMPLETE (SLV-757) *********************			
	*A-6713-377-A	HF-9 BOARD, COMPLETE (SLV-757UB/VP/NC) *********************			
		CAPACITOR			
C001	1-124-239-00	ELECT	6.8MF	20%	16V
C002	1-130-487-00	MYLAR	0.022MF	5%	50V
C003	1-123-369-00	ELECT	4.7MF	20%	25V
C004	1-130-475-00	MYLAR	0.0022MF	5%	50V
C005	1-123-321-00	ELECT	220MF	20%	16V
C006	1-123-875-11	ELECT	10MF	20%	50V
C007	1-130-483-00	MYLAR	0.01MF	5%	50V
C009	1-123-381-00	ELECT	2.2MF	20%	50V
C011	1-123-356-00	ELECT	10MF	20%	25V
C012	1-123-356-00	ELECT	10MF	20%	25V
C013	1-126-101-11	ELECT	100MF	20%	16V
C014	1-126-157-11	ELECT	10MF	20%	16V
C015	1-126-157-11	ELECT	10MF	20%	16V
C016	1-124-499-11	ELECT	1MF	20%	50V
C017	1-124-257-00	ELECT	2.2MF	20%	50V
C018	1-126-101-11	ELECT	100MF	20%	16V
C019	1-123-356-00	ELECT	10MF	20%	25V
C020	1-123-356-00	ELECT	10MF	20%	25V
C022	1-123-381-00	ELECT	2.2MF	20%	50V
C024	1-130-483-00	MYLAR	0.01MF	5%	50V
C025	1-123-875-11	ELECT	10MF	20%	50V
C026	1-123-321-00	ELECT	220MF	20%	16V
C027	1-130-475-00	MYLAR	0.0022MF	5%	50V
C028	1-123-369-00	ELECT	4.7MF	20%	25V
C029	1-130-487-00	MYLAR	0.022MF	5%	50V
C030	1-124-239-00	ELECT	6.8MF	20%	16V
C031	1-126-094-11	ELECT	4.7MF	20%	25V
C032	1-124-438-00	ELECT	1MF	20%	50V
C033	1-123-380-00	ELECT	1MF	20%	50V
C034	1-130-471-00	MYLAR	0.001MF	5%	50V
C035	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C036	1-123-369-00	ELECT	4.7MF	20%	25V
C037	1-123-369-00	ELECT	4.7MF	20%	25V
C038	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C041	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C042	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C043	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C044	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C045	1-130-493-00	MYLAR	0.068MF	5%	50V
C050	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C051	1-130-483-00	MYLAR	0.01MF	5%	50V
C052	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C053	1-123-333-00	ELECT	100MF	20%	16V
C054	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C055	1-123-369-00	ELECT	4.7MF	20%	25V
C056	1-123-369-00	ELECT	4.7MF	20%	25V
C057	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C058	1-130-471-00	MYLAR	0.001MF	5%	50V
C059	1-123-380-00	ELECT	1MF	20%	50V
C060	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C061	1-126-101-11	ELECT	100MF	20%	16V
C065	1-163-038-00	CERAMIC CHIP	0.1MF		25V
		CONNECTOR			
CN001	*1-563-258-11	SOCKET, CONNECTOR 15P			
CN002	*1-563-258-11	SOCKET, CONNECTOR 15P			
		DIODE			
D001	8-719-911-19	DIODE 1SS119			
D002	8-719-911-19	DIODE 1SS119			
D003	8-719-104-34	DIODE 1S2836			
		FILTER			
FL001	1-236-569-11	BPF			
FL002	1-236-570-11	BPF			
		IC			
IC001	8-759-420-18	IC AN3972FC			
IC002	8-759-420-15	IC AN3932S			
IC003⚠	8-759-982-21	IC NJM78L05A			
IC004	8-759-924-46	IC BA4560F			
IC005	8-759-946-44	IC TK15120M			
IC006	8-759-946-44	IC TK15120M			
		RESISTOR			
R001	1-249-417-11	METAL	1K	5%	1/4W
R002	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R003	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R004	1-214-723-00	CARBON	560	5%	1/4W
R005	1-216-047-00	METAL GLAZE	820	5%	1/10W
R006	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R007	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R008	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R009	1-216-295-00	METAL GLAZE	0	5%	1/10W
R011	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R012	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R013	1-216-097-00	METAL GLAZE	100K	5%	1/10W
R014	1-216-047-00	METAL GLAZE	820	5%	1/10W
R015	1-214-723-00	CARBON	560	5%	1/4W
R016	1-216-075-00	METAL GLAZE	12K	5%	1/10W
R017	1-216-049-00	METAL GLAZE	1K	5%	1/10W
R018	1-249-417-11	METAL	1K	5%	1/4W
R019	1-216-043-00	METAL GLAZE	560	5%	1/10W
R020	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R021	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R022	1-216-093-00	METAL GLAZE	68K	5%	1/10W

Ref.No	Part No.	Description				Remark
R023	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R024	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R025	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R026	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R027	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R028	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R029	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W	
R032	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R033	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R034	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R035	1-249-427-11	METAL	6.8K	5%	1/4W	
R036	1-249-427-11	METAL	6.8K	5%	1/4W	
R037	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R041	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R042	1-249-428-11	METAL	8.2K	5%	1/4W	
R043	1-249-428-11	METAL	8.2K	5%	1/4W	
R044	1-249-430-11	METAL	12K	5%	1/4W	
R045	1-249-430-11	METAL	12K	5%	1/4W	
R048	1-249-441-11	METAL	100K	5%	1/4W	
R049	1-249-441-11	METAL	100K	5%	1/4W	
R068	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R201	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R202	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R203	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R301	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R302	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R303	1-216-296-00	METAL GLAZE	0	5%	1/8W	

VARIABLE RESISTOR

Ref.No	Part No.	Description
RV002	1-230-522-11	RES, ADJ, METAL GLAZE 4.7K
RV002	3-738-216-01	COVER, VOLUME
RV003	1-238-167-11	RES, ADJ, CARBON 22K
RV003	3-729-971-01	COVER, VOLUME
RV004	1-238-167-11	RES, ADJ, CARBON 22K
RV004	3-729-971-01	COVER, VOLUME
RV005	1-230-498-11	RES, ADJ, CARBON 47K
RV006	1-230-498-11	RES, ADJ, CARBON 47K
RV007	1-238-167-11	RES, ADJ, CARBON 22K
RV007	3-729-971-01	COVER, VOLUME
RV008	1-230-522-11	RES, ADJ, METAL GLAZE 4.7K
RV008	3-738-216-01	COVER, VOLUME
RV009	1-238-167-11	RES, ADJ, CARBON 22K
RV009	3-729-971-01	COVER, VOLUME

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(Ref.No 3,000 Series)

Ref.No	Part No.	Description	Remark
	*A-6717-557-A	MA-29 BOARD, COMPLETE **********************	(SLV-757UB)
	*A-6717-558-A	MA-29 BOARD, COMPLETE **********************	(SLV-757VP)
	*A-6717-559-A	MA-29 BOARD, COMPLETE **********************	(SLV-757/757NC)
	*3-309-144-21	HEAT SINK	
	*3-710-578-01	COVER, VOLUME, 6 MOLD	
	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
	7-685-645-79	SCREW +BVTP 3X6 TYPE2	

CAPACITOR

Ref.No	Part No.	Description			
C101	1-123-875-11	ELECT	10MF	20%	50V
C102	1-123-875-11	ELECT	10MF	20%	50V
C103	1-123-875-11	ELECT	10MF	20%	50V
C104	1-123-875-11	ELECT	10MF	20%	50V
C106	1-124-477-11	ELECT	47MF	20%	16V
C107	1-124-477-11	ELECT	47MF	20%	16V
C108	1-162-215-31	CERAMIC	47PF	5%	50V
C109	1-162-215-31	CERAMIC	47PF	5%	50V
C110	1-162-215-31	CERAMIC	47PF	5%	50V
C111	1-124-477-11	ELECT	47MF	20%	16V
C112	1-124-477-11	ELECT	47MF	20%	16V
C113	1-124-443-00	ELECT	100MF	20%	10V
C114	1-124-477-11	ELECT	47MF	20%	16V
C115	1-124-477-11	ELECT	47MF	20%	16V
C116	1-162-215-31	CERAMIC	47PF	5%	50V
C117	1-162-215-31	CERAMIC	47PF	5%	50V
C118	1-162-215-31	CERAMIC	47PF	5%	50V
C119	1-124-477-11	ELECT	47MF	20%	16V
C120	1-124-477-11	ELECT	47MF	20%	16V
C121	1-124-589-11	ELECT	47MF	20%	16V
C122	1-124-443-00	ELECT	100MF	20%	10V
C123	1-124-443-00	ELECT	100MF	20%	10V
C126	1-124-499-11	ELECT	1MF	20%	50V
C127	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C128	1-162-282-31	CERAMIC	100PF	10%	50V
C129	1-123-875-11	ELECT	10MF	20%	50V
C130	1-162-283-31	CERAMIC	120PF	10%	50V
C131	1-123-875-11	ELECT	10MF	20%	50V
C201	1-126-157-11	ELECT	10MF	20%	16V
C202	1-126-157-11	ELECT	10MF	20%	16V
C203	1-126-157-11	ELECT	10MF	20%	16V
C204	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C205	1-126-157-11	ELECT	10MF	20%	16V
C206	1-126-157-11	ELECT	10MF	20%	16V
C207	1-123-875-11	ELECT	10MF	20%	50V
C208	1-123-875-11	ELECT	10MF	20%	50V
C209	1-126-320-11	ELECT	10MF	20%	16V
C210	1-123-875-11	ELECT	10MF	20%	50V

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description			Remark
C213	1-162-863-11	CERAMIC	0.047MF	20%	16V
C214	1-124-446-11	ELECT	47MF	20%	10V
C215	1-124-477-11	ELECT	47MF	20%	16V
C216	1-162-863-11	CERAMIC	0.047MF	20%	16V
C221	1-124-443-00	ELECT	100MF	20%	10V
C222	1-126-157-11	ELECT	10MF	20%	16V
C223	1-124-589-11	ELECT	47MF	20%	10V
C231	1-124-477-11	ELECT	47MF	20%	16V
C232	1-124-471-00	ELECT	1000MF	20%	6.3V
C233	1-124-477-11	ELECT	47MF	20%	16V
C234	1-124-443-00	ELECT	100MF	20%	10V
C235	1-124-471-00	ELECT	1000MF	20%	6.3V
C243	1-161-379-00	CERAMIC	0.01MF	30%	16V
C244	1-162-286-31	CERAMIC	220PF	10%	50V
C245	1-162-286-31	CERAMIC	220PF	10%	50V
C249	1-124-477-11	ELECT	47MF	20%	16V
C250	1-109-675-11	MICA	120PF	5%	500V
C251	1-124-446-11	ELECT	47MF	20%	10V
C252	1-164-083-11	CERAMIC	680PF	10%	50V
C254	1-161-045-00	CERAMIC	0.0033MF	10%	50V
C255	1-126-160-11	ELECT	1MF	20%	50V
C256	1-124-902-00	ELECT	0.47MF	20%	50V
C257	1-124-477-11	ELECT	47MF	20%	16V
C258	1-130-483-00	MYLAR	0.01MF	5%	50V
C259	1-126-160-11	ELECT	1MF	20%	50V
C260	1-164-085-11	CERAMIC	0.001MF	10%	50V
C261	1-126-233-11	ELECT	22MF	20%	25V
C262	1-124-446-11	ELECT	47MF	20%	10V
C263	1-164-086-11	CERAMIC	0.0012MF	10%	50V
C264	1-102-978-00	CERAMIC	220PF	5%	50V
C265	1-124-499-11	ELECT	1MF	20%	50V
C266	1-124-446-11	ELECT	47MF	20%	10V
C267	1-124-446-11	ELECT	47MF	20%	10V
C268	1-126-160-11	ELECT	1MF	20%	50V
C269	1-126-160-11	ELECT	1MF	20%	50V
C270	1-126-160-11	ELECT	1MF	20%	50V
C271	1-162-840-11	CERAMIC	0.012MF	10%	16V
C274	1-124-927-11	ELECT	4.7MF	20%	50V
C275	1-124-446-11	ELECT	47MF	20%	10V
C276	1-164-087-11	CERAMIC	0.0015MF	10%	50V
C277	1-162-839-11	CERAMIC	0.01MF	10%	16V
C278	1-136-561-11	FILM	0.0068MF	10%	400V
C280	1-130-483-00	MYLAR	0.01MF	5%	50V
C281	1-162-844-11	CERAMIC	0.027MF	10%	16V
C282	1-124-446-11	ELECT	47MF	20%	10V
C283	1-136-616-11	FILM	0.068MF	10%	100V
C284	1-164-087-11	CERAMIC	0.0015MF	10%	50V
C285	1-164-084-11	CERAMIC	820PF	10%	50V
C303	1-161-379-00	CERAMIC	0.01MF	30%	16V
C304	1-123-875-11	ELECT	10MF	20%	50V
C305	1-124-446-11	ELECT	47MF	20%	10V
C306	1-161-379-00	CERAMIC	0.01MF	30%	16V
C307	1-161-379-00	CERAMIC	0.01MF	30%	16V

Ref.No	Part No.	Description			Remark
C308	1-124-499-11	ELECT	1MF	20%	50V
C309	1-161-379-00	CERAMIC	0.01MF	30%	16V
C310	1-124-477-11	ELECT	47MF	20%	16V
C401	1-123-875-11	ELECT	10MF	20%	50V
C402	1-124-499-11	ELECT	1MF	20%	50V
C403	1-123-875-11	ELECT	10MF	20%	50V
C404	1-162-855-11	CERAMIC	0.0022MF	20%	16V
C405	1-124-499-11	ELECT	1MF	20%	50V
C406	1-124-446-11	ELECT	47MF	20%	10V
C407	1-164-070-11	CERAMIC	100PF	5%	50V
C408	1-161-379-00	CERAMIC	0.01MF	30%	16V
C409	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C410	1-161-379-00	CERAMIC	0.01MF	30%	16V
C411	1-124-446-11	ELECT	47MF	20%	10V
C412	1-162-863-11	CERAMIC	0.047MF	20%	16V
C413	1-130-483-00	MYLAR	0.01MF	5%	50V
C414	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C416	1-162-863-11	CERAMIC	0.047MF	20%	16V
C422	1-124-446-11	ELECT	47MF	20%	10V
C423	1-126-233-11	ELECT	22MF	20%	25V
C424	1-126-101-11	ELECT	100MF	20%	16V
C425	1-130-483-00	MYLAR	0.01MF	5%	50V
C426	1-124-925-11	ELECT	2.2MF	20%	50V
C427	1-130-495-00	MYLAR	0.1MF	5%	50V
C499	1-162-199-31	CERAMIC	10PF	5%	50V
C501	1-161-772-11	CERAMIC	0.1MF	20%	16V
C502	1-161-772-11	CERAMIC	0.1MF	20%	16V
C503	1-124-477-11	ELECT	47MF	20%	16V
C504	1-123-875-11	ELECT	10MF	20%	50V
C505	1-161-772-11	CERAMIC	0.1MF	20%	16V
C506	1-124-446-11	ELECT	47MF	20%	10V
C507	1-161-379-00	CERAMIC	0.01MF	30%	16V
C508	1-161-379-00	CERAMIC	0.01MF	30%	16V
C509	1-162-202-31	CERAMIC	13PF	5%	50V
C510	1-162-202-31	CERAMIC	13PF	5%	50V
C511	1-126-233-11	ELECT	22MF	20%	25V
C512	1-162-863-11	CERAMIC	0.047MF	20%	16V
C513	1-162-211-31	CERAMIC	33PF	5%	50V
C514	1-162-211-31	CERAMIC	33PF	5%	50V
C515	1-161-379-00	CERAMIC	0.01MF	30%	16V
C516	1-124-499-11	ELECT	1MF	20%	50V
C517	1-161-379-00	CERAMIC	0.01MF	30%	16V
C518	1-161-379-00	CERAMIC	0.01MF	30%	16V
C519	1-161-379-00	CERAMIC	0.01MF	30%	16V
C520	1-162-211-31	CERAMIC	33PF	5%	50V
C521	1-124-446-11	ELECT	47MF	20%	10V
C522	1-164-056-11	CERAMIC	27PF	5%	50V
C523	1-161-379-00	CERAMIC	0.01MF	30%	16V
C524	1-124-463-00	ELECT	0.1MF	20%	50V
C525	1-162-290-31	CERAMIC	470PF	10%	50V
C528	1-124-478-11	ELECT	100MF	20%	25V
C529	1-162-282-31	CERAMIC	100PF	10%	50V
C531	1-124-925-11	ELECT	2.2MF	20%	50V

When indicating parts by reference number, please include the board name.

MA-29

Ref.No	Part No.	Description			Remark
C532	1-162-282-31	CERAMIC	100PF	10%	50V
C533	1-123-875-11	ELECT	10MF	20%	50V
C601	1-123-875-11	ELECT	10MF	20%	50V
C652	1-162-209-31	CERAMIC	27PF	5%	50V
C653	1-162-843-11	CERAMIC	0.022MF	20%	16V
C654	1-126-176-11	ELECT	220MF	20%	10V
C655	1-161-379-00	CERAMIC	0.01MF	30%	16V
C656	1-161-379-00	CERAMIC	0.01MF	30%	16V
C657	1-162-203-31	CERAMIC	15PF	5%	50V
C658	1-162-203-31	CERAMIC	15PF	5%	50V
C659	1-130-473-00	MYLAR	0.0015MF	5%	50V
C660	1-130-471-00	MYLAR	0.001MF	5%	50V
C662	1-124-446-11	ELECT	47MF	20%	10V
C663	1-124-927-11	ELECT	4.7MF	20%	50V
C664	1-124-446-11	ELECT	47MF	20%	10V
C665	1-162-863-11	CERAMIC	0.047MF	20%	16V
C666	1-162-863-11	CERAMIC	0.047MF	20%	16V
C667	1-164-085-11	CERAMIC	0.001MF	10%	50V
C670	1-130-473-00	MYLAR	0.0015MF	5%	50V
C671	1-161-379-00	CERAMIC	0.01MF	30%	16V
C672	1-102-978-00	CERAMIC	220PF	5%	50V
C674	1-162-211-31	CERAMIC	33PF	5%	50V (SLV-757VP)
C675	1-124-446-11	ELECT	47MF	20%	10V
C676	1-162-863-11	CERAMIC	0.047MF	20%	16V
C677	1-102-978-00	CERAMIC	220PF	5%	50V
C678	1-164-093-11	CERAMIC	0.0047MF	10%	25V
C679	1-162-839-11	CERAMIC	0.01MF	10%	16V
C682	1-161-772-11	CERAMIC	0.1MF	20%	16V
C683	1-123-875-11	ELECT	10MF	20%	50V
C689	1-124-584-00	ELECT	100MF	20%	10V
C888	1-162-286-31	CERAMIC	220PF	10%	50V

CONNECTOR

Ref.No	Part No.	Description	Remark
CN401	1-563-599-11	CONNECTOR, FLEXIBLE 22P	
CN402	1-506-468-11	PIN, CONNECTOR 3P	
CN403	1-506-474-11	PIN, CONNECTOR 9P	
CN404	1-506-468-11	PIN, CONNECTOR 3P	
CN405	1-506-468-11	PIN, CONNECTOR 3P	
CN511	1-563-597-11	CONNECTOR, FLEXIBLE 20P	
CN512	1-506-471-11	PIN, CONNECTOR 6P	
CN513	1-506-473-11	PIN, CONNECTOR 8P	
CN516	1-506-471-11	PIN, CONNECTOR 6P	
CN521	1-506-475-11	PIN, CONNECTOR 10P	
CN522	1-506-473-11	PIN, CONNECTOR 8P	
CN531	1-506-472-11	PIN, CONNECTOR 7P	
CN532	1-506-471-11	PIN, CONNECTOR 6P	
CN541	*1-560-898-00	PIN, CONNECTOR 10P	
CN551	1-506-476-11	PIN, CONNECTOR 11P	
CN552	1-506-470-11	PIN, CONNECTOR 5P	(SLV-757VP)
CN553	1-506-470-11	PIN, CONNECTOR 5P	
CN561	*1-568-104-12	CONNECTOR, BOARD TO BOARD 13P	
CN562	*1-568-104-12	CONNECTOR, BOARD TO BOARD 13P	
CN571	*1-506-744-11	PIN, CONNECTOR 15P	
CN572	*1-506-744-11	PIN, CONNECTOR 15P	
CN573	1-506-469-11	PIN, CONNECTOR 4P	
CN574	1-506-468-11	PIN, CONNECTOR 3P	
CN581	1-506-476-11	PIN, CONNECTOR 11P	
CN582	1-506-474-11	PIN, CONNECTOR 9P	
CN587	1-506-468-11	PIN, CONNECTOR 3P	

TRIMMER

Ref.No	Part No.	Description	Remark
CV651	1-141-245-00	CAP, TRIMMER	

DIODE

Ref.No	Part No.	Description	Remark
D102	8-719-016-42	DIODE MC932	
D103	8-719-016-42	DIODE MC932	
D401	8-719-911-19	DIODE 1SS119	
D402	8-719-911-19	DIODE 1SS119	
D403	8-719-911-19	DIODE 1SS119	
D404	8-719-911-19	DIODE 1SS119	
D405	8-719-911-19	DIODE 1SS119	
D409	8-719-101-50	DIODE RD5.1EL2	
D410	8-719-911-19	DIODE 1SS119	
D411	8-719-911-19	DIODE 1SS119	
D501	8-719-200-82	DIODE 11ES2	
D502	8-719-911-19	DIODE 1SS119	
D503	8-719-911-19	DIODE 1SS119	
D505	8-719-911-19	DIODE 1SS119	
D506	8-719-911-19	DIODE 1SS119	
D507	8-719-911-19	DIODE 1SS119	
D508	8-719-109-80	DIODE RD4.7ES-B1	
D509	8-719-911-19	DIODE 1SS119	
D510	8-719-911-19	DIODE 1SS119	
D516	8-719-911-19	DIODE 1SS119	
D517	8-719-911-19	DIODE 1SS119	
D518	8-719-911-19	DIODE 1SS119	
D652	8-719-911-19	DIODE 1SS119	
D653	8-719-911-19	DIODE 1SS119	
D655	8-719-911-19	DIODE 1SS119	
D656	8-719-911-19	DIODE 1SS119	
D657	8-719-911-19	DIODE 1SS119	
D891	8-719-016-42	DIODE MC932	
D892	8-719-000-06	DIODE MC921	
D894	8-719-911-19	DIODE 1SS119	

IC

Ref.No	Part No.	Description	Remark
IC101	8-759-602-48	IC M5201L	
IC102	8-759-804-80	IC LA7235	
IC201	8-759-927-56	IC BA7021	
IC202	8-759-927-56	IC BA7021	
IC203	8-759-800-81	IC LA7016	
IC204	8-759-800-81	IC LA7016	
IC205	8-759-800-81	IC LA7016	
IC251	8-759-805-20	IC LA7297	
IC301⚠	8-759-701-00	IC NJM7809-K	
IC302⚠	8-759-105-34	IC UPC78L08J	

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

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Ref.No	Part No.	Description	Remark
IC401	8-759-000-49	IC MC14066BCP	
IC402	8-759-632-58	IC M52435P	
IC403	8-759-008-70	IC LM358N	
IC404	8-759-923-90	IC BA4560	
IC406	8-759-938-12	IC BA10324	
IC501	8-752-811-46	IC CXP80116-636Q	
IC502⚠	8-759-983-45	IC BA6238A	
IC503	8-759-821-59	IC LC6543H-3967	
IC505	8-759-938-12	IC BA10324	
IC651	8-759-632-55	IC M50455	
IC652	8-759-115-55	IC UPC1555C	

COIL

Ref.No	Part No.	Description	Remark
L102	1-408-413-00	INDUCTOR 22UH	
L201	1-410-470-11	INDUCTOR 10UH	
L202	1-410-470-11	INDUCTOR 10UH	
L251	1-407-879-11	INDUCTOR 33MMH	
L252	1-410-091-31	INDUCTOR 22MMH	
L253	1-410-687-11	INDUCTOR 1.2MMH	
L254	1-408-426-00	INDUCTOR 270UH	
L402	1-408-710-00	COIL, CHOKE	
L501	1-410-513-11	INDUCTOR 22UH	
L502	1-410-513-11	INDUCTOR 22UH	
L503	1-410-462-11	INDUCTOR 2.2UH	
L602	1-408-413-00	INDUCTOR 22UH	
L651	1-408-421-00	INDUCTOR 100UH	
L652	1-408-414-00	INDUCTOR 27UH	
L653	1-410-516-11	INDUCTOR 39UH	
L654	1-408-609-41	INDUCTOR 33UH (SLV-757VP)	
L655	1-410-521-11	INDUCTOR 100UH	
L656	1-410-423-11	INDUCTOR 22UH	
L701	1-408-413-00	INDUCTOR 22UH	

TRANSISTOR

Ref.No	Part No.	Description	Remark
Q101	8-729-911-78	TRANSISTOR 2SC2785-HFE	
Q102	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q103	8-729-900-89	TRANSISTOR DTC144ES	
Q104	8-729-900-89	TRANSISTOR DTC144ES	
Q107	8-729-900-89	TRANSISTOR DTC144ES	
Q108	8-729-907-34	TRANSISTOR 2SD1468S-S	
Q109	8-729-907-34	TRANSISTOR 2SD1468S-S	
Q201	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q202	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q203	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q204	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q205	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q208	8-729-900-89	TRANSISTOR DTC144ES	
Q251	8-729-140-96	TRANSISTOR 2SD774-34	
Q253	8-729-140-97	TRANSISTOR 2SB734-34	
Q254	8-729-140-96	TRANSISTOR 2SD774-34	
Q401	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q403	8-729-115-10	TRANSISTOR 2SK105A-10	
Q404	8-729-119-78	TRANSISTOR 2SC2785-HFE	

Ref.No	Part No.	Description	Remark
Q405	8-729-900-89	TRANSISTOR DTC144ES	
Q407	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q409 ⚠	8-729-177-22	TRANSISTOR 2SB772-Q	
Q410	8-729-900-65	TRANSISTOR DTA144ES	
Q411	8-729-900-89	TRANSISTOR DTC144ES	
Q412	8-729-900-89	TRANSISTOR DTC144ES	
Q414	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q423	8-729-900-80	TRANSISTOR DTC114ES	
Q430	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q431	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q432	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q433	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q502	8-729-900-80	TRANSISTOR DTC114ES	
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q504	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q505	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q506	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q512	8-729-900-61	TRANSISTOR DTA114ES	
Q514	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q515	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q516	8-729-900-80	TRANSISTOR DTC114ES	
Q517	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q518	8-729-900-89	TRANSISTOR DTC144ES	
Q519	8-729-900-65	TRANSISTOR DTA144ES	
Q651	8-729-900-89	TRANSISTOR DTC144ES	
Q652	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q655	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q656	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q657	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q658	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q660	8-729-900-89	TRANSISTOR DTC144ES (SLV-757VP)	
Q661	8-729-119-78	TRANSISTOR 2SC2785-HFE (SLV-757VP)	
Q892	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q893	8-729-119-76	TRANSISTOR 2SC1175-HFE	
Q894	8-729-119-78	TRANSISTOR 2SC2785-HFE	

RESISTOR

Ref.No	Part No.	Description	Remark
R101	1-249-441-11	METAL 100K 5% 1/4W	
R102	1-249-441-11	METAL 100K 5% 1/4W	
R103	1-249-417-11	METAL 1K 5% 1/4W	
R106	1-249-441-11	METAL 100K 5% 1/4W	
R107	1-249-441-11	METAL 100K 5% 1/4W	
R108	1-249-417-11	METAL 1K 5% 1/4W	
R111	1-249-426-11	METAL 5.6K 5% 1/4W	
R112	1-249-421-11	METAL 2.2K 5% 1/4W	
R114	1-249-429-11	METAL 10K 5% 1/4W	
R115	1-247-887-00	METAL 220K 5% 1/4W (SLV-757UB)	
R115	1-249-441-11	METAL 100K 5% 1/4W (SLV-757/VP/NC)	
R116	1-249-430-11	METAL 12K 5% 1/4W	
R117	1-249-409-11	METAL 220 5% 1/4W	
R118	1-249-437-11	METAL 47K 5% 1/4W	
R119	1-249-417-11	METAL 1K 5% 1/4W	
R120	1-249-414-11	METAL 560 5% 1/4W	
R121	1-249-441-11	METAL 100K 5% 1/4W	
R122	1-249-429-11	METAL 10K 5% 1/4W	
R123	1-249-429-11	METAL 10K 5% 1/4W	

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

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Ref.No	Part No.	Description				Remark
R126	1-249-437-11	METAL	47K	5%	1/4W	
R127	1-249-429-11	METAL	10K	5%	1/4W	
R128	1-249-417-11	METAL	1K	5%	1/4W	
R129	1-249-417-11	METAL	1K	5%	1/4W	
R130	1-249-414-11	METAL	560	5%	1/4W	
R131	1-249-414-11	METAL	560	5%	1/4W	
R132	1-249-413-11	METAL	470	5%	1/4W	
R133	1-249-413-11	METAL	470	5%	1/4W	
R134	1-249-424-11	METAL	3.9K	5%	1/4W	
R135	1-249-425-11	METAL	4.7K	5%	1/4W	
R136	1-249-424-11	METAL	3.9K	5%	1/4W	
R137	1-249-425-11	METAL	4.7K	5%	1/4W	
R201	1-249-417-11	METAL	1K	5%	1/4W	
R202	1-249-417-11	METAL	1K	5%	1/4W	
R203	1-249-429-11	METAL	10K	5%	1/4W	
R205	1-249-433-11	METAL	22K	5%	1/4W	
R211	1-249-405-11	METAL	100	5%	1/4W	
R212	1-249-417-11	METAL	1K	5%	1/4W	
R213	1-249-416-11	METAL	820	5%	1/4W	
R214	1-249-421-11	METAL	1.5K	5%	1/4W	
R215	1-249-421-11	METAL	2.2K	5%	1/4W	
R216	1-249-421-11	METAL	2.2K	5%	1/4W	
R217	1-249-417-11	METAL	1K	5%	1/4W	
R221	1-249-405-11	METAL	100	5%	1/4W	
R222	1-249-410-11	METAL	270	5%	1/4W	
R223	1-249-403-11	METAL	68	5%	1/4W	
R224	1-249-405-11	METAL	100	5%	1/4W	
R225	1-249-406-11	METAL	120	5%	1/4W	
R226	1-249-405-11	METAL	100	5%	1/4W	
R227	1-247-802-11	METAL	62	5%	1/4W	
R251	1-249-433-11	METAL	22K	5%	1/4W	
R252	1-249-393-11	METAL	10	5%	1/4W	
R253	1-249-407-11	METAL	150	5%	1/4W	
R254	1-249-411-11	METAL	330	5%	1/4W	
R255	1-247-885-00	METAL	180K	5%	1/4W	
R256	1-249-429-11	METAL	10K	5%	1/4W	
R257	1-249-437-11	METAL	47K	5%	1/4W	
R258	1-249-434-11	METAL	27K	5%	1/4W	
R259	1-249-427-11	METAL	6.8K	5%	1/4W	
R260	1-247-903-00	METAL	1M	5%	1/4W	
R261	1-249-441-11	METAL	100K	5%	1/4W	
R262	1-249-438-11	METAL	56K	5%	1/4W	
R263	1-249-432-11	METAL	18K	5%	1/4W	
R264	1-249-427-11	METAL	6.8K	5%	1/4W	
R265	1-249-429-11	METAL	10K	5%	1/4W	
R266	1-249-429-11	METAL	10K	5%	1/4W	
R267	1-249-429-11	METAL	10K	5%	1/4W	
R268	1-249-429-11	METAL	10K	5%	1/4W	
R269	1-249-410-11	METAL	270	5%	1/4W	
R270	1-249-422-11	METAL	2.7K	5%	1/4W	
R273	1-249-428-11	METAL	8.2K	5%	1/4W	
R274	1-249-434-11	METAL	27K	5%	1/4W	
R275 ⚠	1-249-387-11	CARBON	3.3	5%	1/4W	F
R276	1-249-429-11	METAL	10K	5%	1/4W	
R277	1-249-429-11	METAL	10K	5%	1/4W	
R278	1-249-433-11	METAL	22K	5%	1/4W	
R279	1-249-425-11	METAL	4.7K	5%	1/4W	
R280	1-249-425-11	METAL	4.7K	5%	1/4W	
R281	1-249-417-11	METAL	1K	5%	1/4W	
R282	1-249-429-11	METAL	10K	5%	1/4W	
R283 ⚠	1-249-387-11	CARBON	3.3	5%	1/4W	F
R291	1-249-436-11	METAL	39K	5%	1/4W	
R401	1-249-429-11	METAL	10K	5%	1/4W	
R402	1-249-429-11	METAL	10K	5%	1/4W	
R403	1-249-433-11	METAL	22K	5%	1/4W	
R404	1-249-433-11	METAL	22K	5%	1/4W	
R405	1-249-433-11	METAL	22K	5%	1/4W	
R406	1-249-433-11	METAL	22K	5%	1/4W	
R407	1-249-429-11	METAL	10K	5%	1/4W	
R408	1-249-429-11	METAL	10K	5%	1/4W	
R411	1-249-429-11	METAL	10K	5%	1/4W	
R412	1-249-429-11	METAL	10K	5%	1/4W	
R413	1-249-441-11	METAL	100K	5%	1/4W	
R414	1-247-887-00	METAL	220K	5%	1/4W	
R415	1-249-405-11	METAL	100	5%	1/4W	
R416	1-247-885-00	METAL	180K	5%	1/4W	
R417	1-249-429-11	METAL	10K	5%	1/4W	
R418	1-247-889-00	METAL	270K	5%	1/4W	
R419	1-249-437-11	METAL	47K	5%	1/4W	
R420	1-249-413-11	METAL	470	5%	1/4W	
R421	1-249-433-11	METAL	22K	5%	1/4W	
R422	1-247-889-00	METAL	270K	5%	1/4W	
R424	1-249-433-11	METAL	22K	5%	1/4W	
R425	1-249-437-11	METAL	47K	5%	1/4W	
R426	1-249-433-11	METAL	22K	5%	1/4W	
R427	1-249-436-11	METAL	39K	5%	1/4W	
R428	1-249-429-11	METAL	10K	5%	1/4W	
R429	1-249-429-11	METAL	10K	5%	1/4W	
R430	1-249-430-11	METAL	12K	5%	1/4W	
R431	1-249-431-11	METAL	15K	5%	1/4W	
R432	1-249-429-11	METAL	10K	5%	1/4W	
R433	1-249-433-11	METAL	22K	5%	1/4W	
R434	1-249-433-11	METAL	22K	5%	1/4W	
R435	1-249-437-11	METAL	47K	5%	1/4W	
R436	1-249-433-11	METAL	22K	5%	1/4W	
R437	1-249-437-11	METAL	47K	5%	1/4W	
R438	1-249-433-11	METAL	22K	5%	1/4W	
R439	1-249-433-11	METAL	22K	5%	1/4W	
R440	1-249-437-11	METAL	47K	5%	1/4W	
R441	1-247-895-00	METAL	470K	5%	1/4W	
R442	1-249-429-11	METAL	10K	5%	1/4W	
R446	1-249-417-11	METAL	1K	5%	1/4W	
R447	1-249-423-11	METAL	3.3K	5%	1/4W	
R448	1-249-417-11	METAL	1K	5%	1/4W	
R449	1-247-885-00	METAL	180K	5%	1/4W	
R450	1-249-417-11	METAL	1K	5%	1/4W	

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Ref.No	Part No.	Description				Remark
R451	1-249-429-11	METAL	10K	5%	1/4W	
R452	1-249-425-11	METAL	4.7K	5%	1/4W	
R453	1-249-423-11	METAL	3.3K	5%	1/4W	
R454	1-249-423-11	METAL	3.3K	5%	1/4W	
R456	1-249-411-11	METAL	330	5%	1/4W	
R457	1-249-421-11	METAL	2.2K	5%	1/4W	
R458 ⚠	1-216-349-00	METAL OXIDE	1	5%	1W	F
R459	1-247-885-00	METAL	180K	5%	1/4W	
R472	1-249-429-11	METAL	10K	5%	1/4W	
R488	1-249-417-11	METAL	1K	5%	1/4W	
R490	1-249-429-11	METAL	10K	5%	1/4W	
R491	1-249-423-11	METAL	3.3K	5%	1/4W	
R492	1-249-423-11	METAL	3.3K	5%	1/4W	
R493	1-249-429-11	METAL	10K	5%	1/4W	
R494	1-249-423-11	METAL	3.3K	5%	1/4W	
R495	1-249-417-11	METAL	1K	5%	1/4W	
R496	1-249-429-11	METAL	10K	5%	1/4W	
R497	1-249-429-11	METAL	10K	5%	1/4W	
R502	1-249-413-11	METAL	470	5%	1/4W	
R504	1-249-428-11	METAL	8.2K	5%	1/4W	
R505	1-249-417-11	METAL	1K	5%	1/4W	
R506	1-249-429-11	METAL	10K	5%	1/4W	
R507	1-249-429-11	METAL	10K	5%	1/4W	
R508	1-249-405-11	METAL	100	5%	1/4W	
R509	1-249-429-11	METAL	10K	5%	1/4W	
R510	1-249-429-11	METAL	10K	5%	1/4W	
R511	1-249-429-11	METAL	10K	5%	1/4W	
R512	1-249-429-11	METAL	10K	5%	1/4W	
R513	1-249-429-11	METAL	10K	5%	1/4W	
R514	1-249-425-11	METAL	4.7K	5%	1/4W	
R515	1-249-423-11	METAL	3.3K	5%	1/4W	
R516	1-249-429-11	METAL	10K	5%	1/4W	
R517	1-249-426-11	METAL	5.6K	5%	1/4W	
R518	1-249-426-11	METAL	5.6K	5%	1/4W	
R519	1-249-425-11	METAL	4.7K	5%	1/4W	
R520	1-249-409-11	METAL	220	5%	1/4W	
R521	1-249-425-11	METAL	4.7K	5%	1/4W	
R522	1-249-441-11	METAL	100K	5%	1/4W	
R523	1-249-441-11	METAL	100K	5%	1/4W	
R524	1-249-423-11	METAL	3.3K	5%	1/4W	
R525	1-249-423-11	METAL	3.3K	5%	1/4W	
R526	1-249-431-11	METAL	15K	5%	1/4W	
R527	1-249-430-11	METAL	12K	5%	1/4W	
R528	1-249-417-11	METAL	1K	5%	1/4W	
R529	1-249-418-11	METAL	1.2K	5%	1/4W	
R530	1-249-417-11	METAL	1K	5%	1/4W	
R531	1-249-417-11	METAL	1K	5%	1/4W	
R532	1-249-421-11	METAL	2.2K	5%	1/4W	
R533	1-247-897-11	METAL	560K	5%	1/4W	
R534	1-249-428-11	METAL	8.2K	5%	1/4W	
R535	1-249-412-11	METAL	390	5%	1/4W	
R536	1-249-421-11	METAL	2.2K	5%	1/4W	
R537	1-249-437-11	METAL	47K	5%	1/4W	
R538	1-249-427-11	METAL	6.8K	5%	1/4W	
R539	1-249-421-11	METAL	2.2K	5%	1/4W	
R540	1-249-435-11	METAL	33K	5%	1/4W	
R541	1-249-429-11	METAL	10K	5%	1/4W	
R542	1-249-432-11	METAL	18K	5%	1/4W	
R543	1-249-405-11	METAL	100	5%	1/4W	
R544	1-249-429-11	METAL	10K	5%	1/4W	
R546	1-249-429-11	METAL	10K	5%	1/4W	
R548	1-247-903-00	METAL	1M	5%	1/4W	
R549	1-247-895-00	METAL	470K	5%	1/4W	
R550	1-249-435-11	METAL	33K	5%	1/4W	
R551	1-249-441-11	METAL	100K	5%	1/4W	
R552	1-249-429-11	METAL	10K	5%	1/4W	
R553	1-249-417-11	METAL	1K	5%	1/4W	
R555	1-249-441-11	METAL	100K	5%	1/4W	
R568 ⚠	1-247-744-11	CARBON	270	5%	1/2W	F
R570	1-249-437-11	METAL	47K	5%	1/4W	
R571	1-249-429-11	METAL	10K	5%	1/4W	
R572	1-249-405-11	METAL	100	5%	1/4W	
R573	1-249-433-11	METAL	22K	5%	1/4W	
R574	1-249-433-11	METAL	22K	5%	1/4W	
R575	1-249-433-11	METAL	22K	5%	1/4W	
R576	1-249-433-11	METAL	22K	5%	1/4W	
R577	1-249-433-11	METAL	22K	5%	1/4W	
R578	1-249-433-11	METAL	22K	5%	1/4W	
R580	1-249-429-11	METAL	10K	5%	1/4W	
R581	1-249-429-11	METAL	10K	5%	1/4W	
R582	1-247-891-00	METAL	330K	5%	1/4W	
R583	1-247-887-00	METAL	220K	5%	1/4W	
R585	1-249-429-11	METAL	10K	5%	1/4W	
R586	1-249-429-11	METAL	10K	5%	1/4W	
R589	1-249-421-11	METAL	2.2K	5%	1/4W	
R590	1-249-423-11	METAL	3.3K	5%	1/4W	
R591	1-249-423-11	METAL	3.3K	5%	1/4W	
R592	1-249-423-11	METAL	3.3K	5%	1/4W	
R593	1-249-423-11	METAL	3.3K	5%	1/4W	
R594	1-249-423-11	METAL	3.3K	5%	1/4W	
R595	1-249-429-11	METAL	10K	5%	1/4W	
R596	1-249-414-11	METAL	560	5%	1/4W	
R597	1-249-421-11	METAL	2.2K	5%	1/4W	
R598	1-249-421-11	METAL	2.2K	5%	1/4W	
R651	1-249-421-11	METAL	2.2K	5%	1/4W	
R652	1-249-422-11	METAL	2.7K	5%	1/4W	
R653	1-249-422-11	METAL	2.7K	5%	1/4W	
R654	1-249-429-11	METAL	10K	5%	1/4W	
R655	1-249-420-11	METAL	1.8K	5%	1/4W	
R656	1-249-414-11	METAL	560	5%	1/4W	
R657	1-249-422-11	METAL	2.7K	5%	1/4W	
R658	1-249-429-11	METAL	10K	5%	1/4W	
R659	1-249-421-11	METAL	2.2K	5%	1/4W	
R660	1-249-423-11	METAL	3.3K	5%	1/4W	
R661	1-247-903-00	METAL	1M	5%	1/4W	
R662	1-249-429-11	METAL	10K	5%	1/4W	

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

MA-29 TU-01

Ref.No	Part No.	Description	Remark
R663	1-249-437-11	METAL 47K 5% 1/4W	
R664	1-249-439-11	METAL 68K 5% 1/4W	
R666	1-249-414-11	METAL 560 5% 1/4W	
R667	1-249-415-11	METAL 680 5% 1/4W	
R668	1-249-424-11	METAL 3.9K 5% 1/4W	
R669	1-249-404-00	METAL 82 5% 1/4W	
R670	1-249-425-11	METAL 4.7K 5% 1/4W	
R671	1-249-421-11	METAL 1.5K 5% 1/4W	
R672	1-249-435-11	METAL 33K 5% 1/4W	
R673	1-249-409-11	METAL 220 5% 1/4W	
R674	1-249-435-11	METAL 33K 5% 1/4W	
R675	1-249-431-11	METAL 15K 5% 1/4W	
R676	1-249-405-11	METAL 100 5% 1/4W	
R677	1-249-423-11	METAL 3.3K 5% 1/4W	
R678	1-249-414-11	METAL 560 5% 1/4W	
R679	1-249-433-11	METAL 22K 5% 1/4W	
R680	1-249-431-11	METAL 15K 5% 1/4W	
R681	1-249-433-11	METAL 22K 5% 1/4W	
R682	1-249-425-11	METAL 4.7K 5% 1/4W	
R683	1-249-423-11	METAL 3.3K 5% 1/4W	
R685	1-249-417-11	METAL 1K 5% 1/4W	
R686	1-249-429-11	METAL 10K 5% 1/4W	(SLV-757VP)
R687	1-249-429-11	METAL 10K 5% 1/4W	(SLV-757VP)
R688	1-249-407-11	METAL 150 5% 1/4W	
R690	1-249-441-11	METAL 100K 5% 1/4W	
R691	1-249-436-11	METAL 39K 5% 1/4W	
R692	1-249-417-11	METAL 1K 5% 1/4W	
R698	1-249-429-11	METAL 10K 5% 1/4W	
R702	1-249-413-11	METAL 470 5% 1/4W	
R892	1-249-437-11	METAL 47K 5% 1/4W	
R893	1-249-429-11	METAL 10K 5% 1/4W	
R894	1-249-414-11	METAL 560 5% 1/4W	
R895	1-249-423-11	METAL 3.3K 5% 1/4W	
R901	1-249-417-11	METAL 1K 5% 1/4W	
R903	1-247-887-00	METAL 220K 5% 1/4W	
R904	1-249-429-11	METAL 10K 5% 1/4W	
R906	1-249-429-11	METAL 10K 5% 1/4W	
R910	1-249-437-11	METAL 47K 5% 1/4W	

VARIABLE RESISTOR

RV251	1-228-998-00	RES, ADJ, CARBON 220K
RV501	1-228-996-00	RES, ADJ, CARBON 47K
RV652	1-228-995-00	RES, ADJ, METAL GLAZE 22K

TRANSFORMER

T251	1-433-352-11	TRANSFORMER, BIAS OSCILLATION
T252	1-406-349-11	TRANSFORMER, OSCILLATION

CRYSTAL

X501	1-577-116-21	VIBRATOR, CRYSTAL
X503	1-567-192-11	OSCILLATOR, CERAMIC
X651	1-577-289-11	VIBRATOR, CRYSTAL (17.72MHz)

Ref.No Part No. Description Remark

(Ref.No 4,000 Series)

*A-6721-309-A TU-01 BOARD, COMPLETE (SLV-757UB)
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*A-6721-310-A TU-01 BOARD, COMPLETE (SLV-757VP)
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*A-6721-311-A TU-01 BOARD, COMPLETE (SLV-757)
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*A-6721-315-A TU-01 BOARD, COMPLETE (SLV-757NC)
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CAPACITOR

Ref.No	Part No.	Description	Remark
C005	1-124-499-11	ELECT 1MF 20% 50V	(SLV-757/VP/NC)
C009	1-124-477-11	ELECT 47MF 20% 16V	
C019	1-124-446-11	ELECT 47MF 20% 10V	
C020	1-164-095-11	CERAMIC 0.01MF 10% 16V	
C021	1-102-739-11	CERAMIC 220PF 5% 50V	
C022	1-164-093-11	CERAMIC 0.0047MF 10% 25V	
C023	1-164-085-11	CERAMIC 0.001MF 10% 50V	
C024	1-124-925-11	ELECT 2.2MF 20% 50V	
C025	1-124-925-11	ELECT 2.2MF 20% 50V	
C030	1-124-446-11	ELECT 47MF 20% 10V	
C031	1-124-927-11	ELECT 4.7MF 20% 50V	
C032	1-164-096-11	CERAMIC 0.01MF 50V	
C033	1-126-233-11	ELECT 22MF 20% 50V	
C034	1-124-360-00	ELECT 1000MF 20% 16V	
C035	1-126-233-11	ELECT 22MF 20% 25V	
C038	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
C050	1-124-499-11	ELECT 1MF 20% 50V	(SLV-757UB)
C051	1-102-961-00	CERAMIC 27PF 5% 50V	
C052	1-102-961-00	CERAMIC 27PF 5% 50V	
C054	1-124-443-00	ELECT 100MF 20% 10V	
C055	1-101-888-00	CERAMIC 68PF 5% 50V	(SLV-757/VP/NC)
C055	1-164-044-11	CERAMIC 8PF 0.5PF 50V	(SLV-757UB)
C070	1-162-294-31	CERAMIC 0.001MF 10% 50V	
C071	1-162-294-31	CERAMIC 0.001MF 10% 50V	
C072	1-162-294-31	CERAMIC 0.001MF 10% 50V	
C073	1-162-294-31	CERAMIC 0.001MF 10% 50V	
C074	1-162-294-31	CERAMIC 0.001MF 10% 50V	
C075	1-161-772-11	CERAMIC 0.1MF 20% 16V	

CONNECTOR

CN001	*1-563-590-11	CONNECTOR, FLEXIBLE 13P	
CN002	*1-506-476-11	PIN, CONNECTOR 11P	
CN101	*1-506-470-11	PIN, CONNECTOR 5P	(SLV-757VP)
CN102	*1-506-060-11	PIN, CONNECTOR 16P	(SLV-757VP)
CN103	*1-506-473-11	PIN, CONNECTOR 8P	(SLV-757UB/757NC)
CN104	*1-506-473-11	PIN, CONNECTOR 8P	(SLV-757UB/757NC)

DIODE

D003	8-719-110-78	DIODE RD33ES-B2

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description	Remark
D004	8-719-911-19	DIODE 1SS119	
		IF BLOCK	
IF001⚠	1-466-145-11	IF BLOCK (IFU-389)	(SLV-757VP)
IF001⚠	1-466-166-11	IF BLOCK (IFX-395C)	(SLV-757UB)
IF001⚠	1-466-167-11	IF BLOCK (IFX-389C)	(SLV-757/757NC)
		COIL	
L001	1-408-409-00	INDUCTOR 10UH	
L004	1-408-409-00	INDUCTOR 10UH	
L005	1-408-425-00	INDUCTOR 220UH	
L051	1-408-413-00	INDUCTOR 22UH	
L052	1-408-420-00	INDUCTOR 82UH	(SLV-757UB)
L053	1-408-609-41	INDUCTOR 33UH	
		DECORDER BLOCK	
MPX001⚠	1-466-144-11	DECORDER BLOCK (MPL-389)	(SLV-757/VP/NC)
		TRANSISTOR	
Q003	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q004	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q007	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q008	8-729-900-61	TRANSISTOR DTA114ES	
Q009	8-729-900-89	TRANSISTOR DTC144ES	
Q010	8-729-303-38	TRANSISTOR 2SD655-F	(SLV-757UB)
Q011	8-729-303-38	TRANSISTOR 2SD655-F	(SLV-757UB)
Q016	8-729-140-96	TRANSISTOR 2SD774-34	
Q051	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q052	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q053	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		RESISTOR	
R019	1-249-409-11	METAL 220 5% 1/4W	
R020	1-247-903-00	METAL 1M 5% 1/4W	
R021	1-249-422-11	METAL 2.7K 5% 1/4W	
R022	1-249-429-11	METAL 10K 5% 1/4W	
R023	1-249-424-11	METAL 3.9K 5% 1/4W	
R024	1-249-421-11	METAL 1.5K 5% 1/4W	
R027	1-249-425-11	METAL 4.7K 5% 1/4W	
R031	1-249-427-11	METAL 6.8K 5% 1/4W	
R032	1-249-421-11	METAL 2.2K 5% 1/4W	(SLV-757/VP)
R034	1-249-421-11	METAL 2.2K 5% 1/4W	(SLV-757/VP)
R035	1-249-427-11	METAL 6.8K 5% 1/4W	
R037	1-247-887-00	METAL 220K 5% 1/4W	
R038	1-247-887-00	METAL 220K 5% 1/4W	
R039	1-249-428-11	METAL 8.2K 5% 1/4W	
R040	1-249-430-11	METAL 12K 5% 1/4W	
R051	1-249-421-11	METAL 2.2K 5% 1/4W	
R052	1-249-405-11	METAL 100 5% 1/4W	
R053	1-249-423-11	METAL 3.3K 5% 1/4W	(SLV-757UB)
R054	1-249-417-11	METAL 1K 5% 1/4W	
R055	1-249-417-11	METAL 1K 5% 1/4W	
R056	1-249-417-11	METAL 1K 5% 1/4W	
R057	1-249-417-11	METAL 1K 5% 1/4W	
R059	1-249-416-11	METAL 820 5% 1/4W	(SLV-757UB)
R059	1-249-418-11	METAL 1.2K 5% 1/4W	(SLV-757/VP/NC)
R060	1-249-405-11	METAL 100 5% 1/4W	
R061	1-249-417-11	METAL 1K 5% 1/4W	
R062	1-249-417-11	METAL 1K 5% 1/4W	
R067	1-249-429-11	METAL 10K 5% 1/4W	
R068	1-249-417-11	METAL 1K 5% 1/4W	
R069	1-249-417-11	METAL 1K 5% 1/4W	
R070	1-249-409-11	METAL 220 5% 1/4W	
R072	1-249-435-11	METAL 33K 5% 1/4W	
		VARIABLE RESISTOR	
RV002	1-228-994-00	RES, ADJ, CARBON 10K	(SLV-757/VP/NC)
		TUNER	
TU001⚠	1-465-260-11	TUNER, ET (BTP-2C401)	(SLV-757/VP/NC)
TU001⚠	1-465-262-11	TUNER, ET	(SLV-757UB)

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(Ref.No 1,100 Series)

Ref.No	Part No.	Description	Remark
	*A-6725-704-A	MF-48 BOARD, COMPLETE	(SLV-757UB)
	*A-6725-706-A	MF-48 BOARD, COMPLETE	(SLV-757VP)
	*A-6725-707-A	MF-48 BOARD, COMPLETE	(SLV-757/757NC)
		BUZZER	
BZ001	1-529-070-11	BUZZER	
		CAPACITOR	
C002	1-164-064-11	CERAMIC 56PF 5% 50V	
C003	1-164-031-11	CERAMIC 33PF 5% 50V	
C004	1-164-031-11	CERAMIC 33PF 5% 50V	
C006	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C007	1-126-154-11	ELECT 47MF 20% 6.3V	
C008	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C009	1-124-638-11	ELECT 22MF 20% 6.3V	
C010	1-125-486-11	ELECT 0.22F 5.5V	
C011	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C012	1-126-157-11	ELECT 10MF 20% 16V	
C013	1-126-096-11	ELECT 10MF 20% 35V	
C015	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C016	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C017	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C021	1-130-483-00	MYLAR 0.01MF 5% 50V	
C022	1-161-379-00	CERAMIC 0.01MF 30% 16V	
C023	1-126-245-11	ELECT 330MF 20% 6.3V	
C024	1-124-638-11	ELECT 22MF 20% 6.3V	
C025	1-124-638-11	ELECT 22MF 20% 6.3V	
C026	1-126-245-11	ELECT 330MF 20% 6.3V	
C090	1-164-159-11	CERAMIC 0.1MF 50V	
C091	1-164-159-11	CERAMIC 0.1MF 50V	
C092	1-164-159-11	CERAMIC 0.1MF 50V	

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

MF-48

Ref.No	Part No.	Description	Remark
		CONNECTOR	
CN001	1-506-468-11	PIN, CONNECTOR 3P	
CN002	1-563-585-11	CONNECTOR, FLEXIBLE 8P	
CN003	1-568-664-11	CONNECTOR, BOARD TO BOARD 9P	
CN004	1-563-590-11	CONNECTOR, FLEXIBLE 13P	
CN005	1-563-597-11	CONNECTOR, FLEXIBLE 20P	
CN006	1-506-472-11	PIN, CONNECTOR 7P	
CN007	1-506-471-11	PIN, CONNECTOR 6P	
CN008	*1-560-533-00	PIN, CONNECTOR 12P	
CN009	1-506-482-11	PIN, CONNECTOR 3P (SLV-757UB)	
CN009	1-506-482-11	PIN, CONNECTOR 3P (SLV-757UB)	
CN011	1-506-468-11	PIN, CONNECTOR 3P	
		COMPOSITION CIRCUIT BLOCK	
CP001	1-232-881-11	COMPOSITION CIRCUIT BLOCK	
CP002	1-232-881-11	COMPOSITION CIRCUIT BLOCK	
CP003	1-232-881-11	COMPOSITION CIRCUIT BLOCK	
CP004	1-233-061-11	COMPOSITION CIRCUIT BLOCK	
CP005	1-233-195-11	COMPOSITION CIRCUIT BLOCK	
CP006	1-233-194-11	COMPOSITION CIRCUIT BLOCK	
		TRIMMER	
CV001	1-141-291-11	CAP, TRIMMER	
		DIODE	
D014	8-719-911-19	DIODE 1SS119	
D015	8-719-911-19	DIODE 1SS119	
D016	8-719-911-19	DIODE 1SS119	
D017	8-719-911-19	DIODE 1SS119	
D018	8-719-200-82	DIODE 11ES2	
D019	8-719-911-19	DIODE 1SS119	
D020	⚠8-719-110-08	DIODE RD8.2ES-B2	
D021	8-719-911-19	DIODE 1SS119	
D022	8-719-911-19	DIODE 1SS119	
D023	8-719-109-97	DIODE RD6.8ES-B2	
D024	8-719-109-97	DIODE RD6.8ES-B2	
D025	8-719-911-19	DIODE 1SS119	
D026	8-719-109-97	DIODE RD6.8ES-B2	
		IC	
IC001	8-759-994-59	IC MB89793B	
IC002	8-759-977-88	IC CAT59C11P	
IC004	1-466-131-11	CATCHER RAY BLOCK	
IC005	8-759-941-78	IC S-8053ALB	
IC006	8-759-947-53	IC S-8054ALR	
IC007	8-759-933-54	IC BA6800AF	
		COIL	
L001	1-410-521-11	INDUCTOR 100UH	
L002	1-410-521-11	INDUCTOR 100UH	

Ref.No	Part No.	Description	Remark
		LEAD CLANP	
LP001	*3-314-051-00	CLAMP, LEAD	
		INDICATOR TUBE	
ND001	1-519-507-31	INDICATOR TUBE, FLUORESCENT	
		TRANSISTOR	
Q001	8-729-903-02	TRANSISTOR DTA143XS	
Q002	8-729-903-02	TRANSISTOR DTA143XS	
Q004	8-729-900-61	TRANSISTOR DTA114ES	
Q005	8-729-900-61	TRANSISTOR DTA114ES	
Q006	8-729-900-89	TRANSISTOR DTC144ES	
Q007	8-729-900-89	TRANSISTOR DTC144ES	
Q008	8-729-900-61	TRANSISTOR DTA114ES (SLV-757UB)	
		RESISTOR	
R003	1-249-429-11	METAL 10K 5% 1/4W	
R004	1-249-429-11	METAL 10K 5% 1/4W	
R009	1-249-433-11	METAL 22K 5% 1/4W	
R010	1-249-429-11	METAL 10K 5% 1/4W	
R011	1-249-423-11	METAL 3.3K 5% 1/4W	
R012	1-249-436-11	METAL 39K 5% 1/4W	
R014	1-249-421-11	METAL 2.2K 5% 1/4W	
R015	1-249-421-11	METAL 2.2K 5% 1/4W	
R016	1-249-421-11	METAL 2.2K 5% 1/4W	
R026	1-249-421-11	METAL 1.5K 5% 1/4W	
R027	1-249-421-11	METAL 1.5K 5% 1/4W	
R028	1-249-437-11	METAL 47K 5% 1/4W	
R029	1-249-437-11	METAL 47K 5% 1/4W	
R030	1-249-437-11	METAL 47K 5% 1/4W	
R031	1-249-413-11	METAL 470 5% 1/4W	
R032	1-249-413-11	METAL 470 5% 1/4W	
R033	1-247-895-00	METAL 470K 5% 1/4W	
R034	1-247-895-00	METAL 470K 5% 1/4W	
R036	1-249-427-11	METAL 6.8K 5% 1/4W	
R037	1-249-417-11	METAL 1K 5% 1/4W	
R038	1-249-421-11	METAL 2.2K 5% 1/4W	
R040	1-249-429-11	METAL 10K 5% 1/4W	
R041	1-249-429-11	METAL 10K 5% 1/4W	
R042	1-249-423-11	METAL 3.3K 5% 1/4W	
R043	1-249-437-11	METAL 47K 5% 1/4W	
R044	1-249-440-11	METAL 82K 5% 1/4W	
R045	1-249-437-11	METAL 47K 5% 1/4W	
R047	1-249-423-11	METAL 3.3K 5% 1/4W	
R048	1-249-425-11	METAL 4.7K 5% 1/4W	
R050	1-249-425-11	METAL 4.7K 5% 1/4W	
R052	1-249-437-11	METAL 47K 5% 1/4W	
R053	1-249-433-11	METAL 22K 5% 1/4W	
R054	1-249-433-11	METAL 22K 5% 1/4W	
R055	1-249-437-11	METAL 47K 5% 1/4W	
R056	1-249-437-11	METAL 47K 5% 1/4W	

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

MF-48 MF-66 MF-49

Ref.No	Part No.	Description	Remark
R057	1-249-437-11	METAL 47K 5% 1/4W	
		VARIABLE RESISTOR	
RV001	1-230-819-11	RES, VAR, CARBON 2K (SHAPNESS)	
RV002	1-230-719-11	RES, ADJ, CARBON 2.2K (MIC LEVEL R-CH)	
RV003	1-230-719-11	RES, ADJ, CARBON 2.2K (MIC LEVEL L-CH)	
RV004	1-237-877-11	RES, VAR, SLIDE 10K/10K (REC LEVEL)	
		SWITCH	
S001	1-570-854-11	SWITCH, SLIDE (COMMAND MODE)	
S003	1-553-856-00	SWITCH, KEY BOARD (SYNCHRO EDIT)	
S004	1-553-856-00	SWITCH, KEY BOARD (EDIT MONITOR)	
S005	1-553-856-00	SWITCH, KEY BOARD (⏏ EJECT)	

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(Ref.No 1,200 Series)

	*A-6729-905-A	MF-66 BOARD, COMPLETE	(SLV-757/VP/NC)
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	*A-6729-974-A	MF-66 BOARD, COMPLETE	(SLV-757UB)
		**********************	
	*1-631-352-11	MF-66 BOARD	
	*3-727-739-01	HOLDER, LED	
	*3-736-784-01	COVER, LAMP	
	*3-736-785-01	HOLDER, FL	
	4-609-422-01	RIVET (U), NYLON	
		CAPACITOR	
C014	1-161-379-00	CERAMIC 0.01MF 30% 16V	
		CONNECTOR	
CN001	*1-561-652-00	SOCKET, CONNECTOR 12P	
		DIODE	
D001	8-719-302-07	DIODE SLR-54DC3	
D002	8-719-302-07	DIODE SLR-54DC3	
D003	8-719-921-01	DIODE SLR-54VC3	
D004	8-719-921-01	DIODE SLR-54VC3	
D005	8-719-911-19	DIODE 1SS119	
D006	8-719-940-82	DIODE SLR-34MC3	
D007	8-719-940-82	DIODE SLR-34MC3	
D008	8-719-940-82	DIODE SLR-34MC3	
D009	8-719-940-82	DIODE SLR-34MC3	
D010	8-719-940-82	DIODE SLR-34MC3	
D011	8-719-940-82	DIODE SLR-34MC3	
D012	8-719-940-82	DIODE SLR-34MC3	
D013	8-719-940-82	DIODE SLR-34MC3	
D014	8-719-955-04	DIODE SLR-54MC3	
D015	8-719-955-04	DIODE SLR-54MC3	
D022	8-719-946-30	DIODE SLR-34DC3	
D025	8-719-911-34	DIODE EQA02-07B1TP3	

Ref.No	Part No.	Description	Remark
		IC	
IC008	8-759-939-49	IC MB88307P	
		LEAD CLANP	
LP001	*3-314-051-00	CLAMP, LEAD	
		TRANSISTOR	
Q001	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		RESISTOR	
R001	1-249-401-11	METAL 47 5% 1/4W	
R002	1-249-423-11	METAL 3.3K 5% 1/4W	
R005	1-249-407-11	METAL 150 5% 1/4W	
R006	1-249-407-11	METAL 150 5% 1/4W	
R007	1-249-410-11	METAL 270 5% 1/4W	
R008	1-249-410-11	METAL 270 5% 1/4W	
R017	1-249-409-11	METAL 220 5% 1/4W	
R018	1-249-409-11	METAL 220 5% 1/4W	
R019	1-249-409-11	METAL 220 5% 1/4W	
R020	1-249-409-11	METAL 220 5% 1/4W	
R021	1-249-409-11	METAL 220 5% 1/4W	
R022	1-249-409-11	METAL 220 5% 1/4W	
R023	1-249-409-11	METAL 220 5% 1/4W	
R024	1-249-409-11	METAL 220 5% 1/4W	
R025	1-249-409-11	METAL 220 5% 1/4W	
R051	1-249-429-11	METAL 10K 5% 1/4W	(SLV-757UB)
		SWITCH	
S006	1-553-856-00	SWITCH, KEY BOARD (VPS)	(SLV-757VP)
		CRYSTAL	
X001	1-567-098-00	VIBRATOR, CRYSTAL (32.768KHz)	
X002	1-567-132-00	VIBLATOR, CERAMIC (8MHz)	

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(Ref.No 1,300 Series)

	*A-6725-705-A	MF-49 BOARD, COMPLETE	(SLV-757UB)
		**********************	
	*A-6725-708-A	MF-49 BOARD, COMPLETE	(SLV-757/VP/NC)
		**********************	
	*1-631-351-11	MF-49 BOARD	
		CAPACITOR	
C050	⚠1-162-282-31	CERAMIC 100PF 10% 50V	(SLV-757/VP/NC)
C051	⚠1-162-282-31	CERAMIC 100PF 10% 50V	(SLV-757/VP/NC)
C052	⚠1-162-282-31	CERAMIC 100PF 10% 50V	(SLV-757/VP/NC)
C053	⚠1-162-282-31	CERAMIC 100PF 10% 50V	(SLV-757/VP/NC)
C057	⚠1-162-294-31	CERAMIC 0.01MF 10% 50V	(SLV-757/VP/NC)
C058	⚠1-162-294-31	CERAMIC 0.01MF 10% 50V	(SLV-757/VP/NC)

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description			Remark
C059	1-161-379-00	CERAMIC	0.01MF	30%	16V
C060	1-161-379-00	CERAMIC	0.01MF	30%	16V
C061	1-161-379-00	CERAMIC	0.01MF	30%	16V
C062	1-161-379-00	CERAMIC	0.01MF	30%	16V
C063	1-161-379-00	CERAMIC	0.01MF	30%	16V

CONNECTOR

Ref.No	Part No.	Description	Remark
CN050	1-506-473-11	PIN, CONNECTOR 8P	
CN051	1-506-471-11	PIN, CONNECTOR 6P	
CN052	1-568-670-11	CONNECTOR, BOARD TO BOARD 9P	

JACK

Ref.No	Part No.	Description	Remark
CNJ050	1-568-611-11	SOCKET, DIN (SMALL TYPE) 5P (CONTROL S)	
CNJ051	1-565-735-21	JACK, PIN 3P (VIDEO/AUDIO)	
CNJ052	1-563-935-21	JACK, STEREO HEADPHONE (HEADPHONES)	
CNJ053	1-563-935-31	JACK, STEREO HEADPHONE (MIC)	

DIODE

Ref.No	Part No.	Description	Remark
D052	8-719-940-82	DIODE SLR-34MC3 (SLV-757/VP/NC)	
D052	8-719-955-04	DIODE SLR-34MC3 (SLV-757UB)	
D054	8-719-940-99	DIODE SLR-34VC3 (SLV-757UB)	
D055	8-719-940-99	DIODE SLR-34VC3 (SLV-757UB)	
D056	8-719-110-36	DIODE RD13ES-B2	
D057	8-719-110-36	DIODE RD13ES-B2	
D058	8-719-108-12	DIODE RD9.1EW	
D059	8-719-108-12	DIODE RD9.1EW	
D060	8-719-911-19	DIODE 1SS119	
D061	8-719-109-93	DIODE RD6.2ES-B	

COIL

Ref.No	Part No.	Description	Remark
L051	⚠1-410-336-11	INDUCTOR 220UH (SLV-757/VP/NC)	
L052	⚠1-410-336-11	INDUCTOR 220UH (SLV-757/VP/NC)	
L053	⚠1-410-336-11	INDUCTOR 220UH (SLV-757/VP/NC)	
L054	⚠1-410-336-11	INDUCTOR 220UH (SLV-757/VP/NC)	

RESISTOR

Ref.No	Part No.	Description			Remark
R050	1-249-429-11	METAL	10K	5%	1/4W
R051	1-249-429-11	METAL	10K	5%	1/4W
R052	1-247-804-11	METAL	75	5%	1/4W
R053	1-249-407-11	METAL	150	5%	1/4W
R054	1-249-423-11	METAL	3.3K	5%	1/4W
R055	1-249-407-11	METAL	150	5%	1/4W (SLV-757UB)

VARIABLE RESISTOR

Ref.No	Part No.	Description	Remark
RV050	1-238-420-11	RES, VAR, CARBON 10K	

SWITCH

Ref.No	Part No.	Description	Remark
S051	1-553-856-00	SWITCH, KEY BOARD (POWER)	

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(Ref.No 5,000 Series)

Ref.No	Part No.	Description	Remark
	*A-6727-133-A	YC-65 BOARD, COMPLETE (SLV-757UB) **********************	
	*A-6727-136-A	YC-65 BOARD, COMPLETE (SLV-757/757NC) **********************	
	*A-6727-139-A	YC-65 BOARD, COMPLETE (SLV-757VP) **********************	
	3-729-971-01	COVER, VOLUME	

CAPACITOR

Ref.No	Part No.	Description			Remark
C701	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C702	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C703	1-124-927-11	ELECT	4.7MF	20%	50V
C704	1-126-233-11	ELECT	22MF	20%	50V
C705	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C706	1-124-927-11	ELECT	4.7MF	20%	50V
C707	1-124-927-11	ELECT	4.7MF	20%	50V
C708	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C709	1-124-443-00	ELECT	100MF	20%	10V
C710	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C711	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C712	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C713	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C714	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C715	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C718	1-124-927-11	ELECT	4.7MF	20%	50V
C723	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C724	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C725	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C726	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C727	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C728	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C729	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C730	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C731	1-124-443-00	ELECT	100MF	20%	100V
C732	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C733	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C734	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C735	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C736	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C737	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C738	1-124-925-11	ELECT	2.2MF	20%	100V
C739	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C741	1-124-446-11	ELECT	47MF	20%	10V
C743	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C744	1-124-446-11	ELECT	47MF	20%	10V
C746	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C747	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C749	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C750	1-164-232-11	CERAMIC CHIP	0.01MF		50V

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description			Remark
C751	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C753	1-124-446-11	ELECT	47MF	20%	10V
C754	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C755	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C756	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C760	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C761	1-124-963-11	ELECT	33MF	20%	16V
C763	1-124-927-11	ELECT	4.7MF	20%	50V
C764	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C770	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C772	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C780	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C782	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C783	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C785	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C790	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C801	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C802	1-124-442-00	ELECT	330MF	20%	6.3V
C803	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C804	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C805	1-163-033-00	CERAMIC CHIP	0.022MF		50V
C806	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C807	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C808	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C809	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C810	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C811	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C812	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C813	1-124-443-00	ELECT	100MF	20%	6.3V
C814	1-124-443-00	ELECT	100MF	20%	6.3V
C815	1-162-993-11	CERAMIC CHIP	0.22MF	10%	16V
C816	1-124-927-11	ELECT	4.7MF	20%	50V
C817	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C818	1-163-036-00	CERAMIC CHIP	0.068MF		50V
C819	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C820	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C823	1-124-927-11	ELECT	4.7MF	20%	50V
C825	1-163-077-00	CERAMIC CHIP	0.1MF	10%	25V
C826	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C827	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C828	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C829	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C830	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C831	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C832	1-124-438-00	ELECT	1MF	20%	50V
C833	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C834	1-124-279-11	ELECT	3.3MF	20%	50V
C835	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C836	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C837	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C840	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C841	1-164-232-11	CERAMIC CHIP	0.01MF		50V (SLV-757VP)
C842	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C858	1-163-119-00	CERAMIC CHIP	120PF	5%	50V
C859	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C861	1-163-015-00	CERAMIC CHIP	0.0033MF	10%	50V
C862	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C863	1-124-438-00	ELECT	1MF	20%	50V
C864	1-124-446-11	ELECT	47MF	20%	10V
C866	1-124-438-00	ELECT	1MF	20%	50V
C867	1-123-875-11	ELECT	10MF	20%	50V
C868	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C869	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C870	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C871	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C872	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C873	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C874	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C875	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C876	1-106-351-00	MYLAR	0.0022MF	10%	50V
C877	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C878	1-163-213-00	CERAMIC CHIP	0.0022MF	5%	50V
C879	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C880	1-124-499-11	ELECT	1MF	20%	50V
C881	1-123-875-11	ELECT	10MF	20%	50V
C882	1-124-905-71	ELECT	3.3MF	20%	50V
C883	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C884	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C885	1-123-875-11	ELECT	10MF	20%	50V
C886	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C887	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C888	1-123-875-11	ELECT	10MF	20%	50V
C889	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C890	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C891	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C892	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C893	1-124-963-11	ELECT	33MF	20%	16V
C894	1-124-963-11	ELECT	33MF	20%	16V
C895	1-124-963-11	CERAMIC CHIP	0.1MF		25V
C896	1-124-896-71	ELECT	33MF	20%	16V
C897	1-124-927-11	ELECT	4.7MF	20%	50V
C898	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C899	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V

CONNECTOR

Ref.No	Part No.	Description
CN701	*1-506-490-21	PIN, CONNECTOR 11P
CN702	1-506-490-21	PIN, CONNECTOR 11P
CN703	*1-506-488-11	PIN, CONNECTOR 9P

DIODE

Ref.No	Part No.	Description
D705	8-719-104-34	DIODE 1S2836
D801	8-719-400-18	DIODE MA152WK
D803	8-719-400-18	DIODE MA152WK

DELAY LINE

Ref.No	Part No.	Description
DL801	1-415-602-11	DELAY LINE, GLASS

When indicating parts by reference number, please include the board name.

YC-65

FILTER

Ref.No	Part No.	Description	Remark
FL701	1-236-312-11	FILTER, BAND PASS	
FL801	1-236-310-11	FILTER, BAND PASS	
FL802	1-236-311-11	FILTER, BAND PASS	
FL803	1-527-849-00	FILTER, CERAMIC	

IC

Ref.No	Part No.	Description	Remark
IC701	8-759-420-07	IC AN3231K	
IC702	8-752-321-89	IC CXL5003P	
IC801	8-759-320-78	IC HA118016NT	
IC802	8-759-822-05	IC LA7213	
IC860	8-759-420-53	IC AN3592K	
IC861	8-759-991-54	IC MSM6989RS	
IC862	8-752-006-12	IC CX20061	
IC863	8-759-822-05	IC LA7213	
IC864	8-759-000-49	IC MC14066BCP	

COIL

Ref.No	Part No.	Description		Remark
L701	1-408-982-11	INDUCTOR	100UH	
L704	1-408-981-21	INDUCTOR	82UH	
L705	1-408-983-21	INDUCTOR	120UH	
L706	1-408-982-11	INDUCTOR	100UH	
L707	1-408-982-11	INDUCTOR	100UH	
L708	1-408-982-11	INDUCTOR	100UH	
L709	1-408-982-11	INDUCTOR	100UH	
L712	1-408-971-21	INDUCTOR	12UH	
L713	1-408-974-21	INDUCTOR	22UH	
L720	1-408-978-21	INDUCTOR	47UH	
L726	1-408-985-21	INDUCTOR	180UH	
L801	1-408-982-11	INDUCTOR	100UH	
L802	1-408-987-21	INDUCTOR	330UH	
L803	1-408-948-00	INDUCTOR	220UH	
L805	1-408-970-21	INDUCTOR	10UH	
L806	1-408-969-21	INDUCTOR	8.2UH	
L807	1-408-969-21	INDUCTOR	8.2UH	
L809	1-407-499-00	INDUCTOR	3.9MMH	
L861	1-408-976-21	INDUCTOR	33UH	
L862	1-408-970-21	INDUCTOR	10UH	
L880	1-408-982-11	INDUCTOR	100UH	
L881	1-408-982-11	INDUCTOR	100UH	
L882	1-408-972-21	INDUCTOR	15UH	
L883	1-408-975-21	INDUCTOR	27UH	

TRANSISTOR

Ref.No	Part No.	Description	Remark
Q702	8-729-216-22	TRANSISTOR 2SA1162	
Q703	8-729-901-47	TRANSISTOR DTA143EK	
Q704	8-729-901-01	TRANSISTOR DTC144EK	
Q705	8-729-100-66	TRANSISTOR 2SC1623	
Q706	8-729-216-22	TRANSISTOR 2SA1162	
Q707	8-729-100-66	TRANSISTOR 2SC1623	
Q709	8-729-100-66	TRANSISTOR 2SC1623	
Q711	8-729-216-22	TRANSISTOR 2SA1162	
Q715	8-729-901-01	TRANSISTOR DTC144EK	
Q716	8-729-901-01	TRANSISTOR DTC144EK	
Q717	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q719	8-729-216-22	TRANSISTOR 2SA812-M5	
Q721	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q722	8-729-901-01	TRANSISTOR DTC144EK	
Q723	8-729-901-01	TRANSISTOR DTC144EK	
Q801	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q802	8-729-901-01	TRANSISTOR DTC144EK	(SLV-757VP)
Q803	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q804	8-729-900-53	TRANSISTOR DTC114EK	
Q805	8-729-216-22	TRANSISTOR 2SA1162	
Q806	8-729-901-01	TRANSISTOR DTC144EK	
Q807	8-729-100-66	TRANSISTOR 2SC1623-L6	(SLV-757VP)
Q808	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q809	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q810	8-729-901-04	TRANSISTOR DTA114EK	
Q811	8-729-216-22	TRANSISTOR 2SA812-M5	
Q812	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q852	8-729-901-01	TRANSISTOR DTC144EK	(SLV-757VP)
Q860	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q862	8-729-901-01	TRANSISTOR DTC144EK	
Q880	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q881	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q882	8-729-216-22	TRANSISTOR 2SA1162	
Q883	8-729-100-66	TRANSISTOR 2SC1623-L6	

RESISTOR

Ref.No	Part No.	Description				Remark
R001	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R003	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R004	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R005	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R006	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R007	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R008	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R009	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R010	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R011	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R012	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R013	1-216-296-00	METAL GLAZE	0	5%	1/8W.	
R014	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R015	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R016	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R018	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R020	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R021	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R022	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R023	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R024	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R026	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R027	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R028	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R029	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R030	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R031	1-216-295-00	METAL GLAZE	0	5%	1/10W	

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description				Remark
R033	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R034	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R035	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R036	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R037	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R039	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R040	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R041	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R042	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R043	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R044	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R045	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R046	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R047	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R048	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R049	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R050	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R051	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R052	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R053	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R054	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R055	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R056	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R057	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R058	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R059	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R060	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R061	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R062	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R063	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R064	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R701	1-216-105-00	METAL GLAZE	220K	5%	1/10W	
R702	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R703	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R704	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R705	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R706	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R707	1-216-052-00	METAL GLAZE	1.3K	5%	1/10W	
R708	1-216-036-00	METAL GLAZE	300	5%	1/10W	
R709	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R710	1-216-091-00	METAL GLAZE	56K	5%	1/10W	
R711	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R712	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R713	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R714	1-249-425-11	CARBON	4.7K	5%	1/4W	
R717	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R719	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R720	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W	
R722	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R723	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R724	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R725	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R726	1-216-047-00	METAL GLAZE	820	5%	1/10W	

Ref.No	Part No.	Description				Remark
R727	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R728	1-216-115-00	METAL GLAZE	560K	5%	1/10W	
R729	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R730	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R731	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R733	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R734	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R735	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R736	1-216-033-00	METAL GLAZE	220	5%	1/10W	
R737	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R738	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R739	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R740	1-216-083-00	METAL GLAZE	27K	5%	1/10W	
R741	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R742	1-216-295-00	METAL GLAZE	0	5%	1/10W	(SLV-757)
R743	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R744	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R745	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R749	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R750	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R751	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R752	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R754	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R755	1-216-129-00	METAL GLAZE	2.2M	5%	1/10W	
R761	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R762	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R763	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R764	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R768	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R769	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R772	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R773	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R774	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R775	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R776	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R777	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R778	1-216-044-00	METAL GLAZE	620	5%	1/10W	
R779	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R780	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R781	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R801	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R802	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R803	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R804	1-216-049-00	METAL GLAZE	1K	5%	1/10W	(SLV-757VP)
R805	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R806	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	
R807	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R808	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R809	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R810	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R811	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R812	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R813	1-216-047-00	METAL GLAZE	820	5%	1/10W	

When indicating parts by reference number, please include the board name.

YC-65 RP-63

Ref.No	Part No.	Description	Remark
R814	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R816	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R818	1-216-039-00	METAL GLAZE 390 5% 1/10W	
R819	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R820	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	
R822	1-216-055-00	METAL GLAZE 1.8K 5% 1/10W	
R823	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R824	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R825	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	(SLV-757VP)
R826	1-216-069-00	METAL GLAZE 6.8K 5% 1/10W	(SLV-757VP)
R827	1-216-063-00	METAL GLAZE 3.9K 5% 1/10W	(SLV-757VP)
R828	1-216-035-00	METAL GLAZE 270 5% 1/10W	
R829	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R830	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R831	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R832	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R833	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R834	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R835	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R836	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R837	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R838	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R839	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R840	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R841	1-216-047-00	METAL GLAZE 820 5% 1/10W	
R843	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R844	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R852	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R853	1-216-049-00	METAL GLAZE 1K 5% 1/10W	(SLV-757/UB)
R855	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R856	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R857	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R858	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R859	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R860	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R862	1-216-061-00	METAL GLAZE 3.3K 5% 1/10W	
R863	1-216-075-00	METAL GLAZE 12K 5% 1/10W	
R864	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R865	1-216-097-00	METAL GLAZE 100K 5% 1/10W	
R866	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R867	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R868	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	
R869	1-216-081-00	METAL GLAZE 22K 5% 1/10W	
R870	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R872	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R873	1-216-103-00	METAL GLAZE 180K 5% 1/10W	
R874	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R875	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R876	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R877	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R880	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R881	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R882	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R883	1-216-053-00	METAL GLAZE 1.5K 5% 1/10W	
R884	1-216-748-11	METAL GLAZE 39K 5% 1/10W	
R885	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R886	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R887	1-216-033-00	METAL GLAZE 220 5% 1/10W	
R888	1-216-045-00	METAL GLAZE 680 5% 1/10W	
R889	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R890	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R891	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R892	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R893	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R894	1-216-025-00	METAL GLAZE 100 5% 1/10W	
R895	1-249-413-11	CARBON 470 5% 1/4W	

VARIABLE RESISTOR

Ref.No	Part No.	Description	Remark
RV701	1-237-723-11	RES, ADJ, CARBON 4.7K	
RV702	1-237-723-11	RES, ADJ, CARBON 4.7K	
RV703	1-238-167-11	RES, ADJ, CARBON 22K	
RV704	1-238-167-11	RES, ADJ, CARBON 22K	
RV705	1-238-167-11	RES, ADJ, CARBON 22K	
RV707	1-238-166-11	RES, ADJ, CARBON 1K	
RV708	1-237-523-11	RES, ADJ, CARBON 10K	
RV710	1-230-718-11	RES, ADJ, CARBON 1K	
RV801	1-238-166-11	RES, ADJ, CARBON 1K	
RV860	1-230-527-11	RES, ADJ, CARBON 100K	
RV861	1-238-166-11	RES, ADJ, CARBON 1K	

COIL

Ref.No	Part No.	Description	Remark
T802	1-409-467-11	COIL (TRAP 7.8K)	

CRYSTAL

Ref.No	Part No.	Description	Remark
X801	1-577-651-11	VIBRATOR, CRYSTAL	

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(Ref.No 6,000 Series)

*A-6727-135-A RP-63 BOARD, COMPLETE (SLV-757UB)
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*A-6727-137-A RP-63 BOARD, COMPLETE (SLV-757/VP/NC)
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CAPACITOR

Ref.No	Part No.	Description	Remark
C101	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
C102	1-124-242-00	ELECT 33MF 20% 16V	
C103	1-164-232-11	CERAMIC CHIP 0.01MF 10% 50V	
C104	1-124-438-00	ELECT 1MF 20% 50V	
C106	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
C107	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
C108	1-124-455-00	ELECT 100MF 20% 16V	
C109	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
C110	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
C111	1-163-037-11	CERAMIC CHIP 0.022MF 10% 25V	
C112	1-126-157-11	ELECT 10MF 20% 16V	

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description		Remark
C113	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C114	1-124-438-00	ELECT 1MF	20%	50V
C115	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C116	1-163-113-00	CERAMIC CHIP 68PF	5%	50V
C117	1-163-113-00	CERAMIC CHIP 68PF	5%	50V
C118	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C119	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C120	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C121	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C122	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C123	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V
C801	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C802	1-126-154-11	ELECT 47MF	20%	6.3V
C803	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C804	1-124-464-11	ELECT 0.22MF	20%	50V
C805	1-163-099-00	CERAMIC CHIP 18PF	5%	50V
C806	1-163-103-00	CERAMIC CHIP 27PF	5%	50V
C807	1-124-464-11	ELECT 0.22MF	20%	50V
C808	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C809	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C810	1-124-464-11	ELECT 0.22MF	20%	50V
C811	1-163-103-00	CERAMIC CHIP 27PF	5%	50V
C812	1-163-099-00	CERAMIC CHIP 18PF	5%	50V
C813	1-124-464-11	ELECT 0.22MF	20%	50V
C814	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C815	1-163-101-00	CERAMIC CHIP 22PF	5%	50V
C816	1-124-463-00	ELECT 0.1MF	20%	50V
C817	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C818	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C819	1-163-131-00	CERAMIC CHIP 390PF	5%	50V
C820	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	50V
C821	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C822	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C823	1-163-107-00	CERAMIC CHIP 39PF	5%	50V
C824	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C825	1-163-115-00	CERAMIC CHIP 82PF	5%	50V
C826	1-163-113-00	CERAMIC CHIP 68PF	5%	50V
C827	1-163-129-00	CERAMIC CHIP 330PF	5%	50V
C828	1-126-154-11	ELECT 47MF	20%	6.3V
C829	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C831	1-126-154-11	ELECT 47MF	20%	6.3V
C832	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C833	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C834	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C835	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C836	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C838	1-163-087-00	CERAMIC CHIP 4PF	0.25PF	50V
C850	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C851	1-163-121-00	CERAMIC CHIP 150PF	5%	50V
C852	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C853	1-163-121-00	CERAMIC CHIP 150PF	5%	50V
C854	1-163-109-00	CERAMIC CHIP 47PF	5%	50V
C855	1-163-038-00	CERAMIC CHIP 0.1MF		25V

Ref.No	Part No.	Description		Remark
C856	1-126-157-11	ELECT 10MF	20%	16V
C857	1-163-038-00	CERAMIC CHIP 0.1MF		25V
C858	1-163-038-00	CERAMIC CHIP 0.1MF		25V

CONNECTOR

CN101	1-506-487-11	PIN, CONNECTOR 8P
CN802	*1-506-490-21	PIN, CONNECTOR 11P
CN802	*1-506-490-21	PIN, CONNECTOR 11P
CN803	1-506-486-11	PIN, CONNECTOR 7P
CN804	*1-564-031-00	PIN, CONNECTOR 6P

DIODE

D102	8-719-400-18	DIODE MA152WK
D801	8-719-400-18	DIODE MA152WK
D802	8-719-400-18	DIODE MA152WK
D803	8-719-400-18	DIODE MA152WK

IC

IC101	8-759-320-55	IC HA12115MP
IC801	8-759-320-52	IC HA118019NT

COIL

L101	1-408-169-XX	INDUCTOR	100UH
L102	1-408-169-XX	INDUCTOR	100UH
L801	1-408-169-XX	INDUCTOR	100UH
L802	1-408-975-21	INDUCTOR	27UH
L803	1-408-970-21	INDUCTOR	10UH
L804	1-408-985-21	INDUCTOR	180UH
L805	1-408-169-XX	INDUCTOR	100UH
L806	1-408-169-XX	INDUCTOR	100UH
L807	1-408-977-21	INDUCTOR	39UH
L808	1-408-973-21	INDUCTOR	18UH
L809	1-408-973-21	INDUCTOR	18UH
L850	1-408-972-21	INDUCTOR	15UH
L851	1-408-169-XX	INDUCTOR	100UH

TRANSISTOR

Q101	8-729-216-22	TRANSISTOR 2SA1162
Q801	8-729-216-22	TRANSISTOR 2SA1162
Q802	8-729-901-78	TRANSISTOR 2SC2412K-R
Q803	8-729-901-78	TRANSISTOR 2SC2412K-R
Q804	8-729-901-01	TRANSISTOR DTC144EK
Q805	8-729-901-01	TRANSISTOR DTC144EK
Q806	8-729-901-01	TRANSISTOR DTC144EK
Q850	⚠8-729-301-98	TRANSISTOR 2SB1000AL
Q851	8-729-901-01	TRANSISTOR DTC144EK
Q852	8-729-216-22	TRANSISTOR 2SA1162
Q853	8-729-216-22	TRANSISTOR 2SA1162
Q854	8-729-901-01	TRANSISTOR DTC144EK

RESISTOR

R101	1-216-019-00	METAL GLAZE	56	5%	1/10W
R102	1-216-003-11	METAL GLAZE	12	5%	1/10W

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description				Remark
R104	1-216-079-00	METAL GLAZE	18K	5%	1/10W	
R105	1-216-304-11	METAL GLAZE	3.3	5%	1/10W	
R106	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R107	1-216-304-11	METAL GLAZE	3.3	5%	1/10W	
R108	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	
R110	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R111	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R120	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R124	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R140	1-216-296-00	METAL GLAZE	0	5%	1/8W	
R141	1-216-011-00	METAL GLAZE	27	5%	1/10W	
R801	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R802	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R803	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R804	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R805	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R806	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R807	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R808	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R809	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R810	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R811	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R812	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R813	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R814	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R815	1-216-039-00	METAL GLAZE	390	5%	1/10W	
R816	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R817	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R818	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R819	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R820	1-216-045-00	METAL GLAZE	680	5%	1/10W	
R821	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R822	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R823	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R824	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R826	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R827	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R828	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R829	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R830	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R831	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R832	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R833	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R850	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W	
R851	1-216-043-00	METAL GLAZE	560	5%	1/10W	
R852	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R853	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R854	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R855	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R856	1-216-748-11	METAL GLAZE	39K	5%	1/10W	
R857	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	

SWITCH

Ref.No	Part No.	Description	Remark
SW801	1-570-857-11	SWITCH, SLIDE	

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(Ref.No 7,000 Series)

*A-6727-134-A DG-2 BOARD, COMPLETE (SLV-757UB)
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*A-6727-138-A DG-2 BOARD, COMPLETE (SLV-757/VP/NC)
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CAPACITOR

Ref.No	Part No.	Description				Remark
C101	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C102	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C103	1-126-177-11	ELECT	100MF	20%	6.3V	
C104	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C105	1-126-154-11	ELECT	47MF	20%	6.3V	
C107	1-124-438-00	ELECT	1MF	20%	50V	
C108	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C109	1-163-127-00	CERAMIC CHIP	270PF	5%	50V	
C110	1-124-438-00	ELECT	1MF	20%	50V	
C111	1-163-117-00	CERAMIC CHIP	100PF	5%	50V	
C112	1-163-127-00	CERAMIC CHIP	270PF	5%	50V	
C113	1-164-232-11	CERAMIC CHIP	0.01MF		50V	
C114	1-164-232-11	CERAMIC CHIP	0.01MF		50V	
C115	1-124-442-00	ELECT	330MF	20%	6.3V	
C116	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C117	1-163-121-00	CERAMIC CHIP	150PF	5%	50V	
C118	1-163-038-00	CERAMIC CHIP	0.1MF		25V	
C119	1-163-023-00	CERAMIC CHIP	0.015MF	10%	50V	
C120	1-163-023-00	CERAMIC CHIP	0.015MF	10%	50V	
C121	1-164-232-11	CERAMIC CHIP	0.01MF		50V	
C122	1-124-465-00	ELECT	0.47MF	20%	50V	
C123	1-164-232-11	CERAMIC CHIP	0.01MF		50V	
C124	1-124-438-00	ELECT	1MF	20%	50V	
C125	1-164-232-11	CERAMIC CHIP	0.01MF		50V	
C126	1-124-463-00	ELECT	0.1MF	20%	50V	
C127	1-126-157-11	ELECT	10MF	20%	16V	
C128	1-124-438-00	ELECT	1MF	20%	50V	
C129	1-163-125-00	CERAMIC CHIP	220PF	5%	50V	
C130	1-163-145-00	CERAMIC CHIP	0.0015MF	5%	50V	
C131	1-124-438-00	ELECT	1MF	20%	50V	
C132	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	
C134	1-163-127-00	CERAMIC CHIP	270PF	5%	50V	
C135	1-164-232-11	CERAMIC CHIP	0.01MF	5%	50V	
C136	1-163-086-00	CERAMIC CHIP	3PF	0.25PF	50V	
C137	1-164-232-11	CERAMIC CHIP	0.01MF	5%	50V	
C138	1-124-257-00	ELECT	2.2MF	20%	50V	
C139	1-124-438-00	ELECT	1MF	20%	50V	
C140	1-124-438-00	ELECT	1MF	20%	50V	
C141	1-124-438-00	ELECT	1MF	20%	50V	

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description			Remark
C142	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C143	1-124-438-00	ELECT	1MF	20%	50V
C144	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C145	1-126-177-11	ELECT	100MF	20%	6.3V
C146	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C147	1-126-177-11	ELECT	100MF	20%	6.3V
C148	1-126-177-11	ELECT	100MF	20%	6.3V
C149	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C150	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C151	1-126-177-11	ELECT	100MF	20%	6.3V
C152	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C153	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C154	1-163-088-00	CERAMIC CHIP	5PF	0.25PF	50V
C155	1-163-088-00	CERAMIC CHIP	5PF	0.25PF	50V
C156	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C157	1-126-177-11	ELECT	100MF	20%	6.3V
C158	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C159	1-126-177-11	ELECT	100MF	20%	6.3V
C160	1-126-177-11	ELECT	100MF	20%	6.3V
C161	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C162	1-124-438-00	ELECT	1MF	20%	50V
C163	1-124-438-00	ELECT	1MF	20%	50V
C164	1-124-438-00	ELECT	1MF	20%	50V
C165	1-124-438-00	ELECT	1MF	20%	50V
C166	1-124-438-00	ELECT	1MF	20%	50V
C167	1-124-438-00	ELECT	1MF	20%	50V
C168	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C169	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C170	1-126-177-11	ELECT	100MF	20%	6.3V
C171	1-124-438-00	ELECT	1MF	20%	50V
C172	1-124-438-00	ELECT	1MF	20%	50V
C173	1-124-438-00	ELECT	1MF	20%	50V
C174	1-124-465-00	ELECT	0.47MF	20%	50V
C176	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C177	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C178	1-163-009-11	CERAMIC CHIP	0.001MF		50V
C179	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C180	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C181	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C182	1-164-232-11	CERAMIC CHIP	0.01MF	5%	50V
C183	1-124-438-00	ELECT	1MF	20%	50V
C184	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C185	1-126-177-11	ELECT	100MF	20%	6.3V
C186	1-164-232-11	CERAMIC CHIP	0.01MF	5%	50V
C187	1-124-438-00	ELECT	1MF	20%	50V
C188	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C189	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C190	1-164-232-11	CERAMIC CHIP	0.01MF	5%	50V
C191	1-163-009-11	CERAMIC CHIP	0.001MF		50V
C192	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C193	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C194	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C195	1-163-117-00	CERAMIC CHIP	100PF	5%	50V

Ref.No	Part No.	Description			Remark
C196	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C197	1-126-177-11	ELECT	100MF	20%	6.3V
C198	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C199	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C200	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C201	1-124-279-11	ELECT	3.3MF	20%	25V
C202	1-163-137-00	CERAMIC CHIP	680PF	5%	50V
C203	1-163-145-00	CERAMIC CHIP	0.0015MF	5%	50V
C204	1-163-103-00	CERAMIC CHIP	27PF	5%	50V
C205	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C206	1-124-442-00	ELECT	330MF	20%	6.3V
C207	1-124-438-00	ELECT	1MF	20%	50V
C208	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C209	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C210	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C211	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V
C212	1-126-162-11	ELECT	3.3MF	20%	35V
C213	1-126-177-11	ELECT	100MF	20%	6.3V
C214	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C215	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C216	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C217	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C218	1-126-177-11	ELECT	100MF	20%	6.3V
C219	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C220	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C221	1-126-157-11	ELECT	10MF	20%	16V
C223	1-126-154-11	ELECT	47MF	20%	6.3V
C224	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C231	1-126-154-11	ELECT	47MF	20%	6.3V

TRIMMER

CT101	1-141-298-11	CAP, TRIMMER
CT102	1-141-260-00	TRIMAR, CERAMIC
CT103	1-141-298-11	CAP, TRIMMER

DIODE

D101	8-719-400-18	DIODE DAN202K-MA152WK
D102	8-719-200-82	DIODE 11ES2

DELAY LINE

DL101	1-415-440-11	DELAY LINE, LC (444NS)

FERRITE BEAD

FB101	1-543-309-12	BEAD, FERRITE
FB102	1-543-309-12	BEAD, FERRITE

FILTER

FL101	1-421-927-21	FILTER, NOISE
FL102	1-421-927-21	FILTER, NOISE
FL103	1-421-927-21	FILTER, NOISE
FL104	1-421-927-21	FILTER, NOISE
FL105	1-421-927-21	FILTER, NOISE

When indicating parts by reference number, please include the board name.

DG-2

Ref.No	Part No.	Description	Remark
FL106	1-421-927-21	FILTER, NOISE	
FL107	1-421-927-21	FILTER, NOISE	
FL108	1-421-928-11	FILTER, NOISE	
FL109	1-421-928-11	FILTER, NOISE	
FL110	1-421-928-11	FILTER, NOISE	
FL111	1-421-928-11	FILTER, NOISE	
FL112	1-236-054-11	FILTER, LC (LOW PASS)	
FL113	1-236-360-11	BPF, C	
FL114	1-236-360-11	BPF, C	
FL115	1-421-927-21	FILTER, NOISE	
FL116	1-421-927-21	FILTER, NOISE	
FL117	1-421-927-21	FILTER, NOISE	
FL118	1-421-927-21	FILTER, NOISE	
FL119	1-421-927-21	FILTER, NOISE	
FL120	1-236-360-11	BPF, C	

IC

Ref.No	Part No.	Description	Remark
IC101	8-759-633-99	IC M51285BFP-V	
IC102	8-759-631-06	IC M50541FP	
IC103	8-759-634-00	IC M52682FP-V	
IC104	8-759-007-69	IC MC74HC157F	
IC105	8-759-925-72	IC SN74HC02NS	
IC106	8-759-031-84	IC SC7S04F	
IC107	8-759-605-15	IC M5M4C500L	
IC108	8-759-633-04	IC M52686AFP	
IC109	8-759-941-68	IC BA7131F	
IC110	8-759-603-54	IC M51271FP	
IC111	8-759-631-10	IC M52684AFP	
IC112	8-759-009-07	IC MC14053BF	
IC113	8-759-710-12	IC NJM2230M	

COIL

Ref.No	Part No.	Description		Remark
L103	1-407-169-XX	INDUCTOR	100UH	
L104	1-407-169-XX	INDUCTOR	100UH	
L105	1-407-169-XX	INDUCTOR	100UH	
L106	1-407-169-XX	INDUCTOR	100UH	
L107	1-410-389-31	INDUCTOR CHIP	47UH	
L108	1-407-169-XX	INDUCTOR	100UH	
L109	1-407-169-XX	INDUCTOR	100UH	
L110	1-407-169-XX	INDUCTOR	100UH	
L111	1-407-169-XX	INDUCTOR	100UH	
L112	1-407-169-XX	INDUCTOR	100UH	

TRANSISTOR

Ref.No	Part No.	Description	Remark
Q101	8-729-271-23	TRANSISTOR 2SC2712	
Q102	8-729-271-23	TRANSISTOR 2SC2712	
Q103	8-729-271-23	TRANSISTOR 2SC2712	
Q104	8-729-216-22	TRANSISTOR 2SA1162	
Q105	8-729-901-03	TRANSISTOR DTC144WK	
Q106	8-729-216-22	TRANSISTOR 2SA1162	
Q107	8-729-216-22	TRANSISTOR 2SA1162	
Q108	8-729-216-22	TRANSISTOR 2SA1162	
Q109	8-729-271-23	TRANSISTOR 2SC2712	
Q111	8-729-271-23	TRANSISTOR 2SC2712	
Q112	8-729-216-22	TRANSISTOR 2SA1162	

RESISTOR

Ref.No	Part No.	Description				Remark
R101	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R102	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R103	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R104	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R105	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R106	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R107	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R108	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R109	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R110	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R111	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R112	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R113	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R114	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R115	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R116	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R117	1-216-081-00	METAL GLAZE	22K	5%	1/10W	
R118	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R119	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R120	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R122	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R123	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R124	1-216-093-00	METAL GLAZE	68K	5%	1/10W	
R125	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R126	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R127	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R128	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R129	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R131	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R132	1-216-034-00	METAL GLAZE	240	5%	1/10W	
R133	1-216-018-00	METAL GLAZE	51	5%	1/10W	
R134	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R135	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R136	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R137	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R138	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R139	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R140	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W	
R141	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R142	1-216-121-00	METAL GLAZE	1M	5%	1/10W	
R143	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R145	1-216-095-00	METAL GLAZE	82K	5%	1/10W	
R146	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R147	1-216-748-11	METAL GLAZE	39K	5%	1/10W	
R149	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R150	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R151	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R152	1-216-047-00	METAL GLAZE	820	5%	1/10W	
R153	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W	
R154	1-216-119-00	METAL GLAZE	820K	5%	1/10W	

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description				Remark
R155	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R156	1-216-089-00	METAL GLAZE	47K	5%	1/10W	
R157	1-216-077-00	METAL GLAZE	15K	5%	1/10W	
R158	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R159	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R160	1-216-113-00	METAL GLAZE	470K	5%	1/10W	
R161	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R162	1-216-021-00	METAL GLAZE	68	5%	1/10W	
R163	1-216-025-00	METAL GLAZE	100	5%	1/10W	
R164	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R165	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R166	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R167	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R168	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R169	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	
R170	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R171	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R172	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R173	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R174	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R175	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R176	1-216-101-00	METAL GLAZE	150K	5%	1/10W	
R177	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R178	1-216-073-00	METAL GLAZE	10K	5%	1/10W	
R179	1-216-035-00	METAL GLAZE	270	5%	1/10W	
R180	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W	
R182	1-216-097-00	METAL GLAZE	100K	5%	1/10W	
R183	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	
R184	1-216-049-00	METAL GLAZE	1K	5%	1/10W	
R185	1-216-085-00	METAL GLAZE	33K	5%	1/10W	
R186	1-216-109-00	METAL GLAZE	330K	5%	1/10W	
R187	1-216-041-00	METAL GLAZE	470	5%	1/10W	
R188	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W	
R189	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R190	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R191	1-216-295-00	METAL GLAZE	0	5%	1/10W	
R192	1-216-295-00	METAL GLAZE	0	5%	1/10W	

VARIABLE RESISTOR

Ref.No	Part No.	Description	Remark
RV101	1-226-707-11	RES, ADJ, CARBON 1K	
RV102	1-226-708-11	RES, ADJ, CARBON 2.2K	
RV103	1-226-753-11	RES, ADJ, CARBON 47K	

CRYSTAL

Ref.No	Part No.	Description	Remark
X101	1-577-165-11	VIBLATOR, CERAMIC (500KHz)	
X102	1-567-733-11	VIBRATOR, CRYSTAL (17.7MHz)	
X103	1-577-164-11	VIBLATOR, CERAMIC (30.2MHz)	
X104	1-567-733-11	VIBRATOR, CRYSTAL (17.7MHz)	
X105	1-577-165-11	VIBLATOR, CERAMIC (500KHz)	

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Ref.No	Part No.	Description	Remark
	*1-630-650-11	MD-22 BOARD (Ref.No 1,400 Series)	
		************	
	*3-736-144-01	HOLDER, LED	
	3-736-149-01	HOLDER, ST SENSOR	

CAPACITOR

Ref.No	Part No.	Description				Remark
C001	1-161-061-11	CERAMIC	0.068MF	10%	25V	
C002	1-161-061-11	CERAMIC	0.068MF	10%	25V	
C003	1-161-061-11	CERAMIC	0.068MF	10%	25V	
C004	1-126-160-11	ELECT	1MF	20%	50V	
C006	1-124-589-11	ELECT	47MF	20%	16V	
C007	1-126-162-11	ELECT	3.3MF	20%	25V	
C008	1-124-589-11	ELECT	47MF	20%	16V	
C009	1-124-589-11	ELECT	47MF	20%	16V	
C010	1-164-159-11	CERAMIC	0.1MF		50V	
C011	1-164-159-11	CERAMIC	0.1MF		50V	
C999	1-161-379-00	CERAMIC	0.01MF	30%	16V	

CONNECTOR

Ref.No	Part No.	Description	Remark
CN001	1-563-625-11	CONNECTOR, FLEXIBLE 22P	
CN004	*1-506-494-11	PIN, CONNECTOR 15P	

DIODE

Ref.No	Part No.	Description	Remark
D001	8-719-974-65	DIODE GL451V (LED)	

IC

Ref.No	Part No.	Description	Remark
IC001	⚠ 8-759-234-03	IC TA8424F	

PHOTO SENSOR

Ref.No	Part No.	Description	Remark
PH001	8-759-144-33	PHOTO SENSOR PS6002	
PH002	8-759-144-33	PHOTO SENSOR PS6002	

PHOTO TRANSISTOR

Ref.No	Part No.	Description	Remark
Q001	8-729-921-53	PHOTO TRANSISTOR PT483F1	
Q002	8-729-921-53	PHOTO TRANSISTOR PT483F1	

RESISTOR

Ref.No	Part No.	Description				Remark
R001	1-249-417-11	CARBON	1K	5%	1/4W	
R002	1-249-383-11	CARBON	1.5	5%	1/4W	
R003	1-249-383-11	CARBON	1.5	5%	1/4W	
R004	1-249-383-11	CARBON	1.5	5%	1/4W	
R005	1-247-891-00	CARBON	330K	5%	1/4W	
R006	1-249-417-11	CARBON	1K	5%	1/4W	
R007	1-249-408-11	CARBON	180	5%	1/4W	
R008	1-249-406-11	CARBON	120	5%	1/4W	
R009	⚠ 1-249-377-11	CARBON	0.47	5%	1/4W	F

SWITCH

Ref.No	Part No.	Description	Remark
S001	1-570-953-11	SWITCH, PUSH (1 KEY)	
S002	1-570-953-11	SWITCH, PUSH (1 KEY)	

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

TR-35 IO-20 NM-1

Ref.No	Part No.	Description	Remark
	*1-631-348-11	TR-35 BOARD (Ref.No 8,000 Series) ************	
		CONNECTOR	
CN005	1-506-468-11	PIN, CONNECTOR 3P	
		TRANSISTOR	
Q406	⚠8-729-804-17	TRANSISTOR 2SD1666-R	

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(Ref.No 1,000 Series)

	*A-6729-959-A	IO-20 BOARD, COMPLETE (SLV-757UB) ***********************	
	*A-6754-004-A	IO-20 BOARD, COMPLETE (SLV-757VP) ***********************	
	*A-6729-960-A	IO-20 BOARD, COMPLETE (SLV-757/NC) ***********************	
		CAPACITOR	
C901	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
C903	1-163-133-00	CERAMIC CHIP 470PF 5% 50V	
C905	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
C907	1-163-117-00	CERAMIC CHIP 100PF 5% 50V	
		CONNECTOR	
CN901	*1-568-152-12	CONNECTOR, BOARD TO BOARD 13P	
CN902	*1-568-152-12	CONNECTOR, BOARD TO BOARD 13P	
		JACK	
CNJ901	1-561-534-41	SOCKET 21P	
		DIODE	
D901	8-719-109-97	DIODE RD6.8ES-B2	
D902	8-719-109-97	DIODE RD6.8ES-B2	
D903	8-719-109-97	DIODE RD6.8ES-B2	
		JACK	
J901	1-568-971-11	PIN, JACK (WITH SWITCH) 6P	
J902	1-507-792-31	JACK	
J903	1-507-792-31	JACK	
J920	1-216-295-00	METAL GLAZE 0 5% 1/10W	
J921	1-216-295-00	METAL GLAZE 0 5% 1/10W	
		COIL	
L901	1-410-336-11	INDUCTOR 220UH	
L902	1-410-336-11	INDUCTOR 220UH	
L903	1-410-336-11	INDUCTOR 220UH	
L904	1-410-336-11	INDUCTOR 220UH	
		TRANSISTOR	
Q901	8-729-901-06	TRANSISTOR DTA144EK	
Q902	8-729-901-01	TRANSISTOR DTC144EK	
		RESISTOR	
R901	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R902	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R903	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R904	1-216-077-00	METAL GLAZE 15K 5% 1/10W	
R905	1-216-031-00	METAL GLAZE 180 5% 1/10W	
R906	1-216-031-00	METAL GLAZE 180 5% 1/10W	
R907	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R908	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R909	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R910	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R911	1-216-067-00	METAL GLAZE 5.6K 5% 1/10W	
R912	1-216-085-00	METAL GLAZE 33K 5% 1/10W	
R913	1-216-022-00	METAL GLAZE 75 5% 1/10W	
R914	1-249-417-11	METAL 1K 5% 1/4W	
R918	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R919	1-249-413-11	METAL 470 5% 1/4W	

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(Ref.No 1,500 Series)

	*1-632-333-11	NM-1 BOARD (SLV-757UB/757NC) ***********	
		CAPACITOR	
C001	1-123-875-11	ELECT 10MF 20% 50V	
C002	1-123-875-11	ELECT 10MF 20% 50V	
C003	1-124-589-11	ELECT 47MF 20% 16V	
C004	1-124-589-11	ELECT 47MF 20% 16V	
		CONNECTOR	
CN001	1-506-487-11	PIN, CONNECTOR 8P	
CN002	1-506-487-11	PIN, CONNECTOR 8P	
		DIODE	
D002	8-719-911-19	DIODE 1SS119	
D003	8-719-911-19	DIODE 1SS119	
		IC	
IC001	8-759-800-81	IC LA7016	
IC002	8-759-800-81	IC LA7016	
		TRANSISTOR	
Q003	8-729-900-80	TRANSISTOR DTC114ES	
Q004	8-729-900-80	TRANSISTOR DTC114ES	
Q005	8-729-900-80	TRANSISTOR DTC114ES	
Q006	8-729-900-80	TRANSISTOR DTC114ES	
Q007	8-729-900-80	TRANSISTOR DTC114ES	
		RESISTOR	
R002	1-249-429-11	METAL 10K 5% 1/4W	
R003	1-249-429-11	METAL 10K 5% 1/4W	
R004	1-249-429-11	METAL 10K 5% 1/4W	

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref.No	Part No.	Description			Remark
R005	1-249-425-11	METAL	4.7K	5%	1/4W
R006	1-249-427-11	METAL	6.8K	5%	1/4W
R007	1-249-425-11	METAL	4.7K	5%	1/4W
R008	1-249-427-11	METAL	6.8K	5%	1/4W

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(Ref.No 1,000 Series)

*A-6726-149-A SD-4 BOARD, COMPLETE (SLV-757VP)
****

CAPACITOR

C850	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C851	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C852	1-163-038-00	CERAMIC CHIP	0.1MF		25V
C854	1-124-927-11	ELECT	4.7MF	20%	50V
C855	1-124-446-11	ELECT	47MF	20%	10V
C857	1-164-232-11	CERAMIC CHIP	0.01MF		50V

FILTER

FL850	1-527-943-21	FILTER, BAND PASS

IC

IC850	8-759-904-95	IC BA7007

TRANSISTOR

Q850	8-729-100-66	TRANSISTOR 2SC1623-L6
Q851	8-729-100-66	TRANSISTOR 2SC1623-L6

RESISTOR

R846	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R847	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R848	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R849	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R850	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R851	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R854	1-216-109-00	METAL GLAZE	330K	5%	1/10W

VARIABLE RESISTOR

RV850	1-230-329-11	RES, ADJ, CARBON 470

COIL

T850	1-409-467-11	COIL (TRAP 7.8K)

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Ref.No	Part No.	Description			Remark

(Ref.No 9,000 Series)

*A-6729-940-A VC-64 BOARD, COMPLETE (SLV-757VP)
****

CAPACITOR

C101	1-161-772-11	CERAMIC	0.1MF	10%	25V
C102	1-161-021-11	CERAMIC	0.047MF	10%	25V
C103	1-162-211-31	CERAMIC	33PF	5%	50V
C104	1-161-021-11	CERAMIC	0.047MF	10%	25V
C105	1-162-211-31	CERAMIC	33PF	5%	50V
C106	1-161-057-00	CERAMIC	0.033MF	10%	25V
C110	1-162-287-31	CERAMIC	270PF	10%	50V

FILTER

CF101	1-567-160-21	OSCILLATOR, CERAMIC

CONNECTOR

CN001	1-565-510-11	SOCKET, CONNECTOR 16P

IC

IC001	8-759-030-60	IC SDA5642
IC002	8-759-143-10	IC UPD75004GB

RESISTOR

R101	1-249-429-11	METAL	10K	5%	1/4W
R102	1-249-429-11	METAL	10K	5%	1/4W
R103	1-249-441-11	METAL	100K	5%	1/4W
R104	1-247-901-11	METAL	820K	5%	1/4W
R105	1-249-405-11	METAL	100	5%	1/4W
R106	1-247-901-11	METAL	820K	5%	1/4W
R107	1-249-426-11	METAL	5.6K	5%	1/4W
R108	1-247-903-00	METAL	1M	5%	1/4W
R110	1-249-421-11	METAL	2.2K	5%	1/4W
R111	1-249-429-11	METAL	10K	5%	1/4W
R112	1-249-429-11	METAL	10K	5%	1/4W

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(Ref.No 1,000 Series)

*A-6721-312-A NA-7 BOARD, COMPLETE (SLV-757UB)
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*A-6721-313-A NA-7 BOARD, COMPLETE (SLV-757NC)
****

BAND PASS FILTER

BP001	1-236-477-11	FILTER, BAND PASS

CAPACITOR

C001	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C002	1-124-477-11	ELECT	47MF	20%	16V
C003	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C004	1-164-232-11	CERAMIC CHIP	0.01MF		50V

When indicating parts by reference number, please include the board name.

NA-7

Ref.No	Part No.	Description			Remark
C005	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C006	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C007	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C008	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C009	1-124-477-11	ELECT	47MF	20%	16V
C010	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C011	1-124-443-00	ELECT	100MF	20%	10V
C012	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C013	1-126-157-11	ELECT	10MF	20%	16V
C014	1-124-465-00	ELECT	0.47MF	20%	50V
C015	1-124-465-00	ELECT	0.47MF	20%	50V
C016	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C017	1-163-111-00	CERAMIC CHIP	56PF	5%	50V
C018	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C019	1-124-465-00	ELECT	0.47MF	20%	50V
C020	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C021	1-163-123-00	CERAMIC CHIP	180PF	5%	50V (SLV-757UB)
C021	1-163-131-00	CERAMIC CHIP	390PF	5%	50V (SLV-757NC)
C022	1-163-123-00	CERAMIC CHIP	180PF	5%	50V (SLV-757UB)
C022	1-163-131-00	CERAMIC CHIP	390PF	5%	50V (SLV-757NC)
C023	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C024	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C025	1-130-495-00	MYLAR	0.1MF	5%	50V
C026	1-130-495-00	MYLAR	0.1MF	5%	50V
C027	1-163-111-00	CERAMIC CHIP	56PF	5%	50V (SLV-757UB)
C027	1-163-120-00	CERAMIC CHIP	130PF	5%	50V (SLV-757NC)
C028	1-163-111-00	CERAMIC CHIP	56PF	5%	50V (SLV-757UB)
C028	1-163-120-00	CERAMIC CHIP	130PF	5%	50V (SLV-757NC)
C029	1-130-495-00	MYLAR	0.1MF	5%	50V
C030	1-130-495-00	MYLAR	0.1MF	5%	50V
C031	1-163-059-00	CERAMIC CHIP	0.01MF		50V
C032	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C033	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C034	1-124-465-00	ELECT	0.47MF	20%	50V
C035	1-163-099-00	CERAMIC CHIP	18PF	5%	50V
C036	1-163-111-00	CERAMIC CHIP	56PF	5%	50V
C037	1-163-099-00	CERAMIC CHIP	18PF	5%	50V (SLV-757NC)
C037	1-163-241-11	CERAMIC CHIP	39PF	5%	50V (SLV-757UB)
C038	1-124-446-11	ELECT	47MF	20%	10V
C039	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C040	1-124-443-00	ELECT	100MF	20%	10V
C041	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C045	1-123-875-11	ELECT	10MF	20%	50V
C046	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C047	1-124-443-00	ELECT	100MF	20%	10V
C051	1-163-095-00	CERAMIC CHIP	12PF	5%	50V
C052	1-163-095-00	CERAMIC CHIP	12PF	5%	50V
C053	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C054	1-124-443-00	ELECT	100MF	20%	10V
C055	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C056	1-124-443-00	ELECT	100MF	20%	10V
C057	1-130-469-00	MYLAR	680PF	5%	50V
C058	1-124-438-00	ELECT	1MF	20%	50V

Ref.No	Part No.	Description			Remark
C059	1-124-446-11	ELECT	47MF	20%	10V
C060	1-124-443-00	ELECT	100MF	20%	10V
C061	1-130-471-00	MYLAR	0.001MF	5%	50V
C062	1-124-442-00	ELECT	330MF	20%	6.3V
C063	1-130-471-00	MYLAR	0.001MF	5%	50V
C064	1-124-446-11	ELECT	47MF	20%	10V
C065	1-130-469-00	MYLAR	680PF	5%	50V
C066	1-124-438-00	ELECT	1MF	20%	50V
C067	1-124-477-11	ELECT	47MF	20%	16V
C068	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C069	1-126-157-11	ELECT	10MF	20%	16V
C070	1-126-157-11	ELECT	10MF	20%	16V
C071	1-124-477-11	ELECT	47MF	20%	16V
C072	1-130-493-00	MYLAR	0.068MF	5%	50V
C073	1-130-474-00	MYLAR	0.0018MF	5%	50V
C074	1-124-477-11	ELECT	47MF	20%	16V
C075	1-130-471-00	MYLAR	0.001MF	5%	50V
C076	1-130-475-00	MYLAR	0.0022MF	5%	50V
C077	1-124-477-11	ELECT	47MF	20%	16V (SLV-757UB)
C077	1-126-151-11	ELECT	4.7MF	20%	16V (SLV-757NC)
C078	1-126-101-11	ELECT	100MF	20%	16V
C079	1-124-477-11	ELECT	47MF	20%	16V
C080	1-164-232-11	CERAMIC CHIP	0.01MF		50V
C081	1-126-157-11	ELECT	10MF	20%	16V
C082	1-126-157-11	ELECT	10MF	20%	16V
C083	1-124-477-11	ELECT	47MF	20%	16V
C084	1-130-493-00	MYLAR	0.068MF	5%	50V
C085	1-130-474-00	MYLAR	0.0018MF	5%	50V
C086	1-124-477-11	ELECT	47MF	20%	16V
C087	1-130-471-00	MYLAR	0.001MF	5%	50V
C088	1-130-475-00	MYLAR	0.0022MF	5%	50V
C089	1-126-151-11	ELECT	4.7MF	20%	16V

CONNECTOR

CN001	*1-565-733-11	PIN, BOARD TO BOARD (L TYPE) 16P

TRIMMER

CV001	1-141-245-00	TRIMMER, CERAMIC
CV002	1-141-245-00	TRIMMER, CERAMIC

DIODE

D001	8-719-801-52	DIODE 1SS190
D002	8-719-801-52	DIODE 1SS190
D003	8-719-400-18	DIODE MA152WK
D004	8-719-400-18	DIODE MA152WK
D005	8-719-400-18	DIODE MA152WK
D006	8-719-400-18	DIODE MA152WK
D007	8-719-400-18	DIODE MA152WK
D008	8-719-104-34	DIODE 1S2836

FERRITE BEAD INDUCTOR

FB001	1-410-397-21	FERRITE BEAD INDUCTOR

When indicating parts by reference number, please include the board name.

Ref.No	Part No.	Description	Remark
FB002	1-410-397-21	FERRITE BEAD INDUCTOR	
FB003	1-410-397-21	FERRITE BEAD INDUCTOR	
FB004	1-410-397-21	FERRITE BEAD INDUCTOR	
FB005	1-410-397-21	FERRITE BEAD INDUCTOR	
FB006	1-410-397-21	FERRITE BEAD INDUCTOR	
		ENCAPSULATED	
FL001	1-236-071-11	ENCAPSULATED COMPONENT	
FL002	1-236-071-11	ENCAPSULATED COMPONENT	
		IC	
IC001	8-759-231-09	IC TA8662N	
IC002	8-759-231-28	IC TC6011N	
IC003	8-752-328-02	IC CXK5864BSP-10L	
IC004	8-759-231-29	IC TD6710AN	
IC005	8-759-900-72	IC NE5532P	
IC006	8-759-900-72	IC NE5532P	
		COIL	
L002	1-410-072-21	INDUCTOR 820UH	
L003	1-410-072-21	INDUCTOR 820UH	
L004	1-408-970-21	INDUCTOR 10UH	
L005	1-408-970-21	INDUCTOR 10UH	
L006	1-408-989-21	INDUCTOR 470UH	
L007	1-408-989-21	INDUCTOR 470UH	
		LOW PASS FILTER	
LP001	1-236-356-11	FILTER, LOW PASS	
LP002	1-236-356-11	FILTER, LOW PASS	
		TRANSISTOR	
Q001	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q002	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q003	8-729-104-80	TRANSISTOR 2SC3355	
Q004	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q005	8-729-100-66	TRANSISTOR 2SC1623-L6	
Q006	8-729-100-66	TRANSISTOR 2SC1623-L6	
		RESISTOR	
R001	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R002	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R003	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R004	1-216-037-00	METAL GLAZE 330 5% 1/10W	
R009	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R010	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R011	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R012	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R013	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R014	1-216-071-00	METAL GLAZE 8.2K 5% 1/10W	
R015	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	
R016	1-216-043-00	METAL GLAZE 560 5% 1/10W	(SLV-757NC)
R016	1-216-051-00	METAL GLAZE 1.2K 5% 1/10W	(SLV-757UB)

Ref.No	Part No.	Description	Remark
R017	1-216-027-00	METAL GLAZE 120 5% 1/10W	
R018	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R019	1-212-873-11	FUSIBLE 47 5% 1/4W	F
R020	1-216-101-00	METAL GLAZE 150K 5% 1/10W	
R021	1-216-105-00	METAL GLAZE 220K 5% 1/10W	
R022	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R023	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R024	1-216-748-11	METAL GLAZE 39K 5% 1/10W	
R025	1-216-748-11	METAL GLAZE 39K 5% 1/10W	
R026	1-216-041-00	METAL GLAZE 470 5% 1/10W	
R027	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R028	1-216-295-00	METAL GLAZE 0 5% 1/10W	(SLV-757NC)
R029	1-216-295-00	METAL GLAZE 0 5% 1/10W	(SLV-757NC)
R030	1-216-295-00	METAL GLAZE 0 5% 1/10W	(SLV-757NC)
R031	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R032	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R033	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R034	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R035	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R036	1-216-295-00	METAL GLAZE 0 5% 1/10W	(SLV-757NC)
R037	1-216-295-00	METAL GLAZE 0 5% 1/10W	(SLV-757NC)
R038	1-216-295-00	METAL GLAZE 0 5% 1/10W	(SLV-757NC)
R039	1-216-093-00	METAL GLAZE 68K 5% 1/10W	
R041	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R042	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R043	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R044	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R045	1-216-093-00	METAL GLAZE 68K 5% 1/10W	
R046	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R047	1-216-041-00	METAL GLAZE 470 5% 1/10W	(SLV-757NC)
R047	1-216-049-00	METAL GLAZE 1K 5% 1/10W	(SLV-757UB)
R048	1-216-047-00	METAL GLAZE 820 5% 1/10W	(SLV-757UB)
R048	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	(SLV-757NC)
R049	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R050	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R051	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R052	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R053	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R054	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R055	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R056	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R057	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R058	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R059	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R060	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R061	1-216-049-00	METAL GLAZE 1K 5% 1/10W	
R062	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R063	1-216-093-00	METAL GLAZE 68K 5% 1/10W	
R064	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R065	1-216-041-00	METAL GLAZE 470 5% 1/10W	(SLV-757NC)
R065	1-216-049-00	METAL GLAZE 1K 5% 1/10W	(SLV-757UB)
R066	1-216-047-00	METAL GLAZE 820 5% 1/10W	(SLV-757UB)
R066	1-216-057-00	METAL GLAZE 2.2K 5% 1/10W	

When indicating parts by reference number, please include the board name.

NA-7

Ref.No	Part No.	Description	Remark
R067	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R068	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R069	1-216-089-00	METAL GLAZE 47K 5% 1/10W	
R070	1-216-065-00	METAL GLAZE 4.7K 5% 1/10W	
R071	1-216-043-00	METAL GLAZE 560 5% 1/10W	
R072	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R073	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R074	1-216-073-00	METAL GLAZE 10K 5% 1/10W	
R075	1-216-083-00	METAL GLAZE 27K 5% 1/10W	
R076	1-216-059-00	METAL GLAZE 2.7K 5% 1/10W	
R080	1-216-295-00	METAL GLAZE 0 5% 1/10W	(SLV-757NC)
R081	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R082	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R083	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R084	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R085	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R086	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R087	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R088	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R089	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R090	1-216-296-00	METAL GLAZE 0 5% 1/8W	
R091	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R092	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R093	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R094	1-216-295-00	METAL GLAZE 0 5% 1/10W	
R095	1-216-295-00	METAL GLAZE 0 5% 1/10W	

CRYSTAL

X001	1-577-376-11	VIBRATOR, CRYSTAL
X002	1-577-252-11	VIBRATOR, CRYSTAL (5.824MHz)
X003	1-577-253-11	VIBRATOR, CERAMIC (16.9MHz)

****

MISCELLANEOUS

****

	A-6761-129-A	HEAD BLOCK ASSY, ACE
	1-238-618-11	RES, VAR, CARBON 10K
	1-466-143-51	CONTROL SWITCH BLOCK
	⚠1-466-199-11	MODULATOR, RF (RFU-2010) (SLV-757/757VP/757NC)
	⚠1-466-206-11	MODULATOR, RF (RFU-2011) (SLV-757UB)
	1-543-647-11	HEAD, FE (PC BOARD & CONNECTOR)
	*1-555-110-00	CABLE, PIN
	*1-558-207-11	WIRE, PVC (FLAT TYPE) (20 CORE)
	1-574-795-11	WIRE, FLAT TYPE 22P
	1-575-022-11	WIRE, FLAT TYPE 13P
M901	⚠1-550-535-11	DRUMASSY (DZH-17A-R)
M902	⚠8-835-350-02	MOTOR, DC U-26A (CAPSTAN)
M903	X-3727-779-1	MOTOR ASSY, CAM
M904	X-3727-784-1	MOTOR ASSY (CM-14)
S1	1-571-920-11	SWITCH, ROTARY

****

ACCESSORIES AND PACKING MATERIALS

****

Part No.	Description	Remark
1-551-086-31	CORD, CONNECTION (VIDEO 1P)	
1-551-513-00	CABLE, COAXAL ASSY	
1-551-734-11	CORD, CONNECTION (RK-74A)	
⚠1-558-032-11	CORD, POWER (SLV-757UB)	
1-559-533-11	CORD, CONNECTION (AUDIO 2P)	
⚠1-574-056-11	CORD, POWER (SLV-757VP)	
⚠1-575-131-11	CORD, POWER (SLV-757(AEP)/757NC)	
3-695-308-01	DRIVER TUNING	
*3-738-213-01	CASE, ACCESSORY	
*3-739-659-01	INDIVIDUAL CARTON (SLV-757)	
*3-739-659-11	INDIVIDUAL CARTON (SLV-757VP)	
*3-739-659-21	INDIVIDUAL CARTON (SLV-757UB)	
*3-739-659-31	INDIVIDUAL CARTON (SLV-757NC)	
*3-738-210-01	CUSHION (UPPER)	
*3-738-211-01	CUSHION (LOWER)	
*3-739-648-01	CARDBOARD (SLV-757/757VP)	
3-750-755-11	MANUAL, INSTRUCTION (SLV-757/757UB) (ENGLISH)	
3-750-755-41	MANUAL, INSTRUCTION (SLV-757/757VP) (GERMAN, FRENCH, ITALIAN, DUTCH)	
3-750-755-51	MANUAL, INSTRUCTION (SLV-757NC) (SWEDISH, SPANISH)	

****

HARDWARE LIST

****

SET-SCT

7-621-732-08	SET-SCT, HEX. 2X3 FLAT POINT

STOP RING

7-624-102-04	STOP RING 1.5, TYPE -E

SCREW

7-627-552-08	SCREW, PRECISION +P 1.7X2.5
7-628-254-00	SCREW +PS 2.6X5
7-682-547-04	SCREW +B 3X6
7-682-548-04	SCREW +B 3X8
7-682-645-01	SCREW +PS 3X4
7-685-104-19	SCREW +P 2X6 TYPE2 NON-SLIT
7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3
7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3
7-621-255-25	SCREW +PTT 2X4 (S)
7-685-648-79	SCREW +BVTP 3×12 TYPE2

****

When indicating parts by reference number, please include the board name.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

REMOTE COMMANDER (RMT-V757B) (See page 157)

SECTION 8
ELECTRICAL ADJUSTMENTS

Refer to the SERVICE MANUAL of VHS MECHANICAL ADJUSTMENTS for MECHANICAL ADJUSTMENTS.

During the Adjustment, See the Parts Arrangement Diagram Relevant to the Adjustment on Page 204.

Necessary items and indications for total adustment of electric circuit of this machine will be described in this chapter.

[Instruments to be used]

1) Color TV
2) Oscilloscope 1 or 2 phenomena, band more than 15MHz, delay mode, as provided.
3) Frequency counter (min, 8 digits)
4) PAL pattern generator
5) Digital voltmeter
6) Audio level meter
7) Audio generator
8) Attenuator
9) Distortion factor meter
10) Voice multiple signal generator
11) Alignment tape
    Part Code : H7099052H (MH-2)

[Connection]

Unless otherwise specified, connect and adjust the measuring instruments as shown in the following diagram.

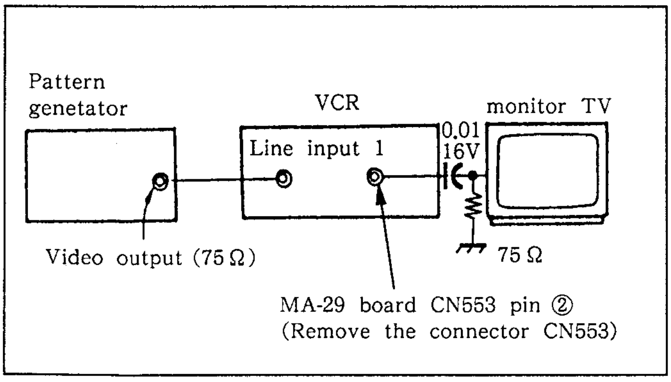

Pattern genetator
VCR
monitor TV
0.01
16V
Line input 1
Video output (75Ω)
75Ω
MA-29 board CN553 pin ②
(Remove the connector CN553)

Fig. 8-1.

[Set-Up Adjustment]

In this adjustment, PAL pattern generator is connected with LINE 1 input signal terminal. When check to tuner, connected AERIAL terminal. Check that the amplitudes of video signal SYNC signal, of picture portions, and of burst signals are flat at approximately 0.3, 0.7 and 0.3V, respectively, and that the level ratio of the burst signal and "red"signal are 0.30 : 0.66. Fig. 8-2. shows video signals (color bars) used in adjusting the video section.

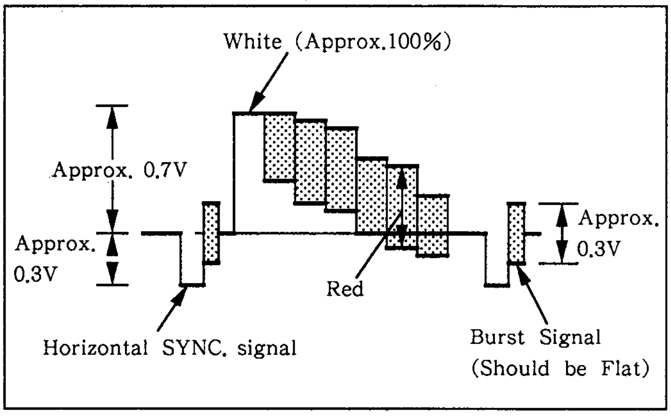

White (Approx.100%)
Approx. 0.7V
Approx. 0.3V
Approx. 0.3V
Red
Horizontal SYNC. signal
Burst Signal (Should be Flat)

Fig. 8-2.

[Alignment Tape (MH-2)]

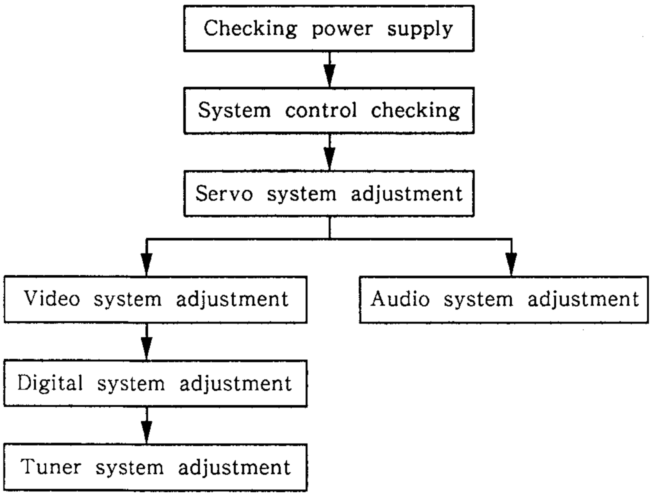
	Time	Video Signal	Audio signal
1	10minutes	Stair-step	6kHz
2	5minutes	———	3kHz
3	10minutes	Color bar	1kHz
4	3minutes	RF sweep	———

[Specified input/output level and impedance]

Input/output terminal

Video inputs	LINE IN 1 and 2 : phono jacks EURO-AV : 21-pin (pin 20) 1Vp-p, 75ohms, unbalanced, sync negative
Audio inputs	LINE IN 1 and 2 : phono jacks 47kilohms, −7.5dBs (0dBs=0.775Vrms) EURO-AV : 21-pin (pin 2 and 6) More than 10kilohms, −4dBs
Video outputs	LINE OUT : phono jack EURO-AV : 21-pin (pin 19) 1Vp-p, 75ohms, unbalanced sync negative
Audio outputs	LINE OUT : phono jack −7.5dBs at load impedance 47kilohms Output impedance : less than 10kilohms EURO-AV : 21-pin (pins 1 and 3) Output impedance : less than 1kilohm −4dBs with 10kilohms load

[Adjusting Sequence]
Make the electrical adjustment in the following sequence.

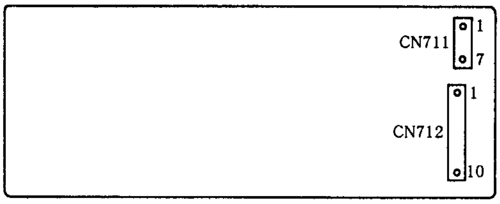

Checking power supply
System control checking
Servo system adjustment
Video system adjustment
Audio system adjustment
Digital system adjustment
Tuner system adjustment

8-1. POWER SUPPLY CHECK (POWER BLOCK)

Mode	E-E
Measurement equipment	Digital voltmeter
SWD 12V check	
Measurement point	CN712 pins ① and ⑧
Specified value	12.0±0.3Vdc
UNLEG 17V check	
Measurement point	CN712 pin ③
Specified value	18±2Vdc
SWD 5.0V check	
Measurement point	CN712 pin ⑤
Specified value	$5.3^{+0.15}_{-0.1}$ Vdc
UNREG 35V check	
Measurement point	CN712 pin ⑨
Specified value	37.0±3.0Vdc
UNREG −30V check	
Measurement point	CN711 pin ④
Specified value	−27.5±2.5Vdc
UNREG 6.0V check	
Measurement point	CN711 pin ⑤ +, pin ⑥ −
Specified value	5.7±0.5Vdc
UNSWD 5.8V check	
Measurement point	CN711 pin ⑦
Specified value	5.9±0.25Vdc

[Checking Method]
1) Confirm that each voltage satisfies its specified value.

Power block (Pattern side)


CN711
1
7
1
CN712
10

POWER BLOCK (conductor side)

Fig. 8-3.

8-2. SYSTEM CONTROL CHECK

8-2-1. Clock Oscillation Frequency Check (MA-29 Board)

Mode	E-E
Signal	No signal
Measurement point	IC651 pin ㉘
Measurement equipment	Frequency counter
Specified value	17,734,476±100Hz

Note : Connect a 10k Ω resistor to the frequency counter.

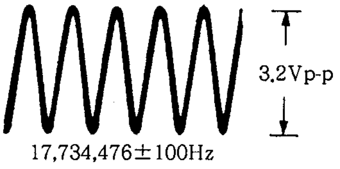

3.2Vp-p
17,734,476±100Hz

Fig. 8-4.

8-3. SERVO SYSTEM ADJUSTMENT

[Adjustment Sequence]

8-3-1. Character Position Adjustment 1
8-3-2. Character Position Adjustment 2
8-3-3. Switching Position Adjustment

8-3-1. Character Position Adjustment 1 (MA-29 Board)

Mode	E-E
Signal	Color bar
Measurement point	IC651 pin ⑤
Measurement equipment	Frequency counter
Adjustment elemant	CV651
Specified value	6,900±200kHz

Note 1: Set to "MENU" on screen with remote commander.

Note 2: Connect the frequency counter through a probe of high input impedance (more than 10MΩ) and low capacity (10pF or less).

Note 3: Connect a 10kΩ resistor to the frequency counter.

[Adjustment Method]

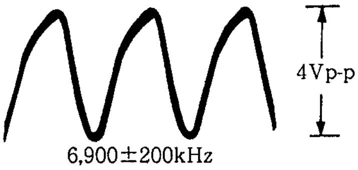


Fig. 8-5.

8-3-2. Character Position Adjustment 2 (MA-29 Board)

Mode	E-E
Signal	Color bar
Measurement point	IC652 pin ③
Measurement equipment	Oscilloscope
Adjustment element	RV652
Specified value	57±0.5 μsec

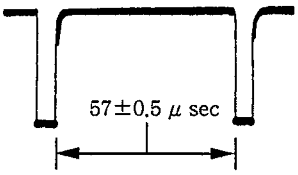


Fig. 8-6.

8-3-3. Switching Position Adjustment (MA-29 Board)

Mode	PB
Signal	Alignment tape SP stair-step
Measurement point	CH1 : CN581 pin ④ CH2 : CN581 pin ② (RF SWP)
Measurement equipment	Oscilloscope
Adjustment element	RV501
Specified value	6.5±0.5H (416±32 μsec)

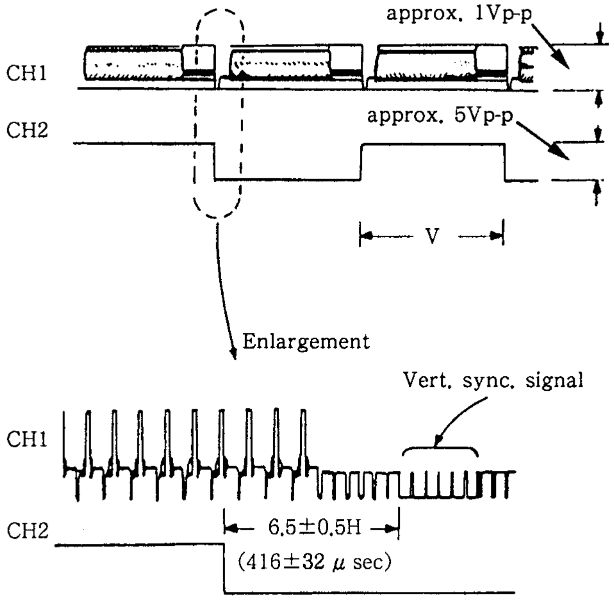


Fig. 8-7.

8-4. VIDEO SYSTEM ADJUSTMENT

Adjust the video system in the following sequence as a rule. The color video signal supplied from the pattern generator is used as a video input signal for video system adjustment in the recording mode.
Make sure that sync and color burst signals meet requirements specified at set up of adjustment shown in Fig. 8-2.

[**Adjustment Sequence**]

8-4-1. Recording Y Signal Level Adjustment
8-4-2. Playback Y Signal Level Adjustment
8-4-3. Y Signal NR Level Adjustment
8-4-4. Sync. AGC Adjustment
8-4-5. Sync. Tip Carrier Set and Deviation Adjustment
8-4-6. White Clip, Dark Clip Adjustment
8-4-7. Recording Chroma Level Adjustment

8-4-1. Recording Y Signal Level Adjustment (YC-65 Board/RP-63 Board)

Mode	REC
Signal	No signal
Measurement point	CN804 pin ③ (RP-63 board)
Measurement equipment	Oscilloscope
Adjustment element	RV710 (YC-65 board)
Specified value	1.7±0.1Vp-p

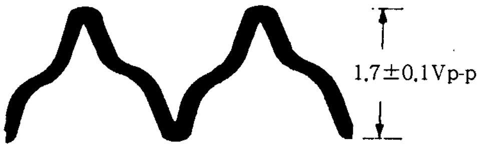


Fig. 8-8.

8-4-2. Playback Y Signal Level Adjustment (YC-65 Board)

Mode	PB
Signal	Alignment tape SP color bar
Measurement point	VIDEO OUTPUT
Measurement equipment	Oscilloscope
Adjustment element	RV708
Specified value	1.00±0.05Vp-p

Note 1 : Make this adjustment with the EDIT switch turned off.
Note 2 : Video output terminal must be terminated at 75 Ω ±1%.

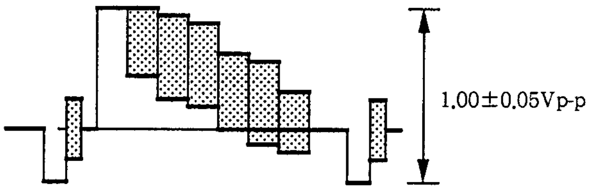


Fig. 8-9.

8-4-3. Y Signal NR Level Adjustment (YC-65 Board)

Mode	PB
Signal	Alignment tape SP color bar
Measurement point	IC701 pin ⑩
Measurement equipment	Oscilloscope
Adjustment element	RV707
Specified value	less than 30mVp-p

Y-YD=less than 30mVp-p

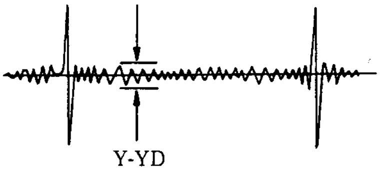


Fig. 8-10.

8-4-4. Sync. AGC Adjustment (YC-65 Board)

Mode	E-E
Signal	Color bar
Measurement point	VIDEO OUTPUT
Measurement equipment	Oscilloscope
Adjustment element	RV701
Specified value	1.00±0.05Vp-p

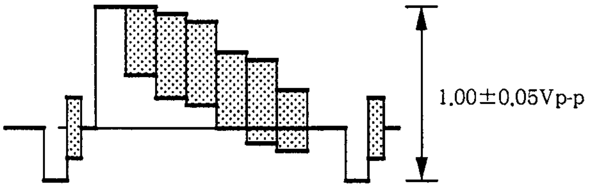


Fig. 8-11.

8-4-5. Sync. Tip Carrier Set and Deviation Adjustment (YC-65 Board)

Befor starting this adjustment, be sure to check that recording Y signal level adjustment has been completed.

Sync chip carrier set	
Mode	E-E
Signal	No signal (Note 2)
Measurement point	IC701 pin ㉔
Measurement equipment	Frequency counter
Adjustment element	RV703
Specified value	3.80±0.05MHz
Deviation adjustment	
Mode	REC and PB
Signal	Color bar
Measurement point	VIDEO OUTPUT
Measurement equipment	Oscilloscope
Adjustment element	RV702
Specified value	1.00±0.05Vp-p

Note 1 : Video output terminal must be terminated at 75 Ω.

Note 2 : To make no signal input, insert a shorting plug into a video input terminal (IO-20 BOARD LINE IN 1).

[Adjustment Method]

1) Input the color bar signal to place to place the system in the E-E mode.
2) Make a no signal state and select the E-E mode.
3) Connect the frequency counter to the IC701 pin ㉔ and adjust to 3.40±0.05MHz with RV703.
4) Input the color bar signal to make recording.
5) Playback a recorded tape portion and check the playback Y signal level of (video output).

PB Y Level

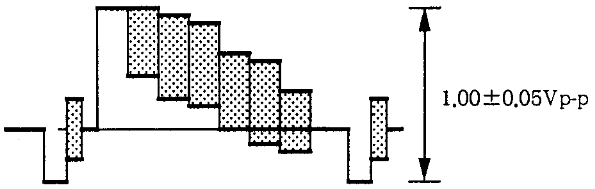


Fig. 8-12. Deviation adjustment

6) When the specified value is not met, input the color bar signal to select the E-E mode. Adjust RV702 to correct a playback Y signal level error, and then, repeat the steps 2) through 5) above.

8-4-6. White Clip. Dark Clip Adjustment (YC-65 Board)

Mode	E-E
Signal	Color bar
Measurement point	IC701 pin ⑳
Measurement equipment	Oscilloscope
Adjustment element	White clip : RV705 Dark clip : RV704
Specified value	White clip : 180±10% Dark clip : 40±10%

[Adjustment Method]

1) With RV705, adjust the white clip level to 180±10 % of the white level (100%).
2) With RV704, adjust the dark clip level to 40±10 % of the white level (100%).

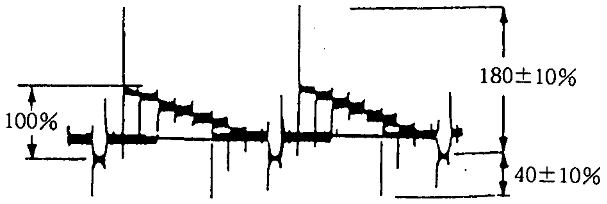


Fig. 8-13.

8-4-7. Recording Chroma Level Adjustment (YC-65 Board)

Mode	E-E
Signal	Color bar
Measurement point	CN701 pin ⑦
Measurement equipment	Oscilloscope
Adjustment element	RV801
Specified value	100±10mVp-p

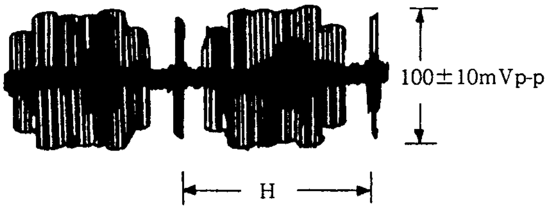


Fig. 8-14.

8-5. DIGITAL ADJUSTMENTS

[Adjustment Sequence]

8-5-1. Decoder-oscillated Free Run Frequency Adjustment
8-5-2. Encoder-oscillated Free Run Frequency Adjustment
8-5-3. TINT Adjustment
8-5-4. Color Level Adjustment
8-5-5. Hue Adjustment
8-5-6. Write Clock Adjustment

8-5-1. Decoder-oscillated Free Run Frequency Adjustment (DG-2 Board)

Mode	E-E
Signal	Alignment tape SP monoscope
Measurement point	IC110 pin ⑪
Measurement equipment	Frequency counter
Adjustment element	CT103
Specified value	4,433,619±20Hz

[Connection]

1) Connect IC110 pin ㉗ and VCC with a jumper wire.

Note : Connect the frequency counter through a buffer amplifier(oscilloscope, etc).of high input impedance (10MΩ or more) and low capacity (10pF or less).

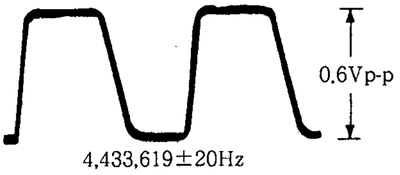


Fig. 8-15.

8-5-2. Encoder-oscillated Free Run Frequency Adjustment (DG-2 Board)

Mode	E-E
Signal	Alignment tape SP monoscope
Measurement point	IC101 pin ⑲
Measurement equipment	Frequency counter
Adjustment element	CT101
Specified value	17,734,476±80Hz

[Connection]

1) Connect IC101 pin ⑱ and VCC with a jumper wire.

Note : Connect the frequency counter through a buffer amplifier (oscilloscope, etc).of high input impedance (10MΩ or more) and low capacity (10pF or less).

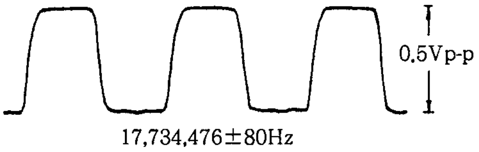


Fig. 8-16.

8-5-3. (a) TINT Adjustment (DG-2 Board)

Mode	E-E (P in P)
Signal	Color bar
Measurement point	IC112 pin ⑤
Measurement equipment	Oscilloscope
Adjustment element	RV103
Specified value	A=B

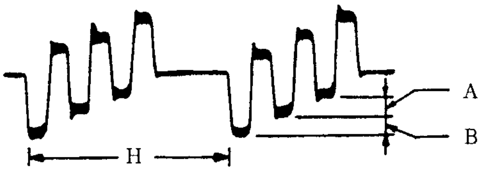
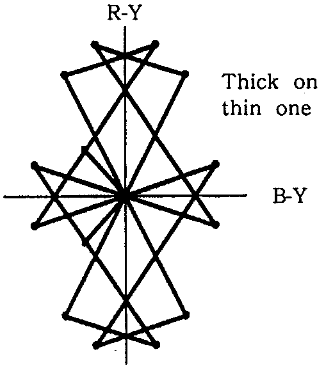


Fig. 8-17.

8-5-3. (b) TINT Adjustment (DG-2 Board)

Mode	E-E (P in P)
Signal	Color bar
Measurement point	IO-20 board (EURO-AV)
Measurement equipment	Vectorscope
Adjustment element	RV103
Specified value	Adjust the vector phase of the small image so that the double waveforms become one clear waveform.



Thick one for parent, thin one for child.

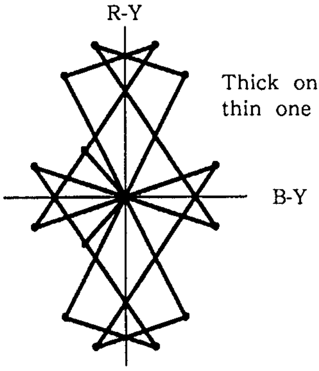
Fig. 8-18.

8-5-4. Color Level Adjustment (DG-2 Board)

Mode	E-E (P in P)
Signal	Color bar
Measurement point	IO-20 board (EURO-AV OUT)
Measurement equipment	Vectorscope
Adjustment element	RV102
Specified value	The phases of the parent and child screens should be the same.

[**Adjustment Method**]

1) With RV102, match the phases of the parent and child screens.



Thick one for parent, thin one for child.

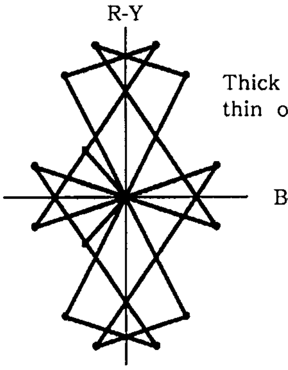
Fig. 8-19.

8-5-5. Hue Adjustment (DG-2 Board)

Mode	E-E (P in P)
Signal	Color bar
Measurement point	IO-20 board (EURO-AV OUT)
Measurement equipment	Vectorscope
Adjustment element	RV101
Specified value	Hue of parent screen= that of child screen

[**Adjustment Method**]

1) With RV101, match the phases of the parent and child screens.



Thick one for parent, thin one for child.

Fig. 8-20.

8-5-6. Write Clock Adjustment (DB-2 Board)

Mode	E-E
Signal	Color bar
Measurement point	IC105 pin ①
Measurement equipment	Frequency counter
Adjustment element	CT102
Specified value	5.00±0.05MHz

[**Connection**]

1) Connect the IC105 pin⑥ and GND with a jumper wire.

Note : Connect the frequency counter through a buffer amplifier (oscilloscope, etc.) of high input impedance (10MΩ or more) and low capacity (10pF or less).

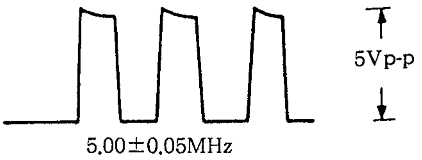


Fig. 8-21.

8-6. Audio System Adjustment

- Adjust the audio system in the LP mode, unless otherwise specified.
  Use the alignment tape
- Adjust both Lch and Rch.

[Connection]

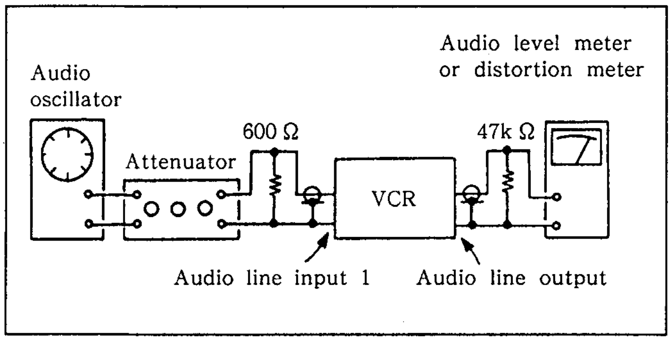


Fig. 8-22.

8-6-1. Hi-Fi Audio System Adjustment

Set switches and knobs to the following positions to make adjustment, unless otherwise specified.

INPUT SELECT switch···LINE1
REC LEVEL knob···Set to −21dBs.
(HF-9 board CN001 pins① and ②)

[Adjustment Sequence]

1. **VCO fo Adjustment**
2. **AFM Deviation Adjustment**
3. **Carrier Frequency Check**
4. **Switching Pulse Portion Adjustment**
5. **Playback RF Level Adjustment**
6. **Playback Level Adjustment**

1. VCO fo Adjustment (HF-9 Board)

Mode	Recording
Signal	No signal
Measurement point	Frequency counter
1.3MHz Adjustment	
Measurement equipment	IC002 pin ③
Adjustment element	RV008
Specified value	1,300±2kHz
1.7MHz Adjustment	
Measurement point	IC002 pin ㉚
Adjustment element	RV002
Specified value	1,700±2kHz

Note : Connect the frequency counter through a probe of high input impedance (more than 10MΩ) and low capacity (10pF or less).

[Checking Method]

1) Connect the frequency counter to each measurement point.
2) Confirm that each frequency meet its specified value.

2. AFM Deviation Adjustment (HF-9 Board)

Mode	Recording
Signal	Standard signal
Measurement point	IC002 pin ③ (L ch) IC002 pin ㉚ (R ch)
Measurement equipment	Frequency counter
Adjustment element	RV009 (L ch) RV003 (R ch)
Specified value	50.0±0.1kHz (both ch)

[Adjustment Method]

1) Adjust to LCH (specified value) with RV009
2) Adjust to RCH (specified value) with RV003

3. Carrier Frequency Check (HF-9 Board)

Mode	E-E
Measurement equipment	Frequency counter
1.3MHz check	
Measurement point	IC002 pin ③
Specified value	1.3MHz±2kHz
1.7MHz check	
Measurement point	IC002 pin ㉚
Specified value	1.7MHz±2kHZ

Note : Connect the frequency counter through a probe of high input impedance (more than 10MΩ) and low capacity (10pF or less).

4. Switching Pulse Portion Adjustment (HF-9Board)

Mode	PB
Signal	Alignment tape (HiFi 400Hz)
Measurement point	CN571 pins ⑨ and ⑮ (MA-29 board)
Measurement equipment	Oscilloscope
Adjustment element	RV006
Specified value	Fig. 8-27.

[Adjustment Method]

1) Adjust to switching portion RF input with RV006.

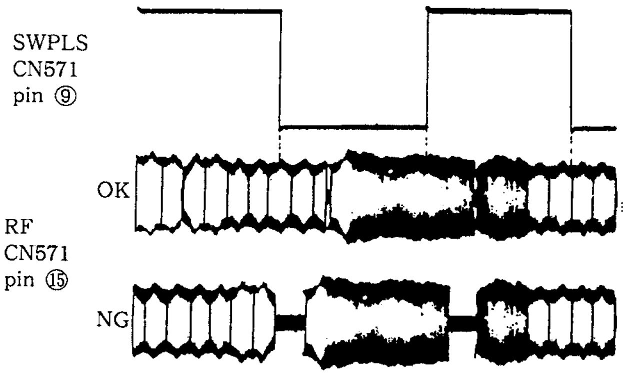


Fig. 8-23.

5. Playback RF Level Adjustment (HF-9 Board)

Mode	PB
Signal	Carrier Frequency : 1.3MHz, No modulation Input −22dBs : CN002 pins ③ and ④ Input 333Hz, −8dBs : CN001 pin ⑧
Measurement point	IC002 pin ⑪ CN001 pins ④ and ⑤
Measurement equipment	Digital voltmeter Audio level meter
Adjustment element	RV005

[Adjustment Method]

1) Adjust RV005 to make Low (0V) with IC002 pin ⑪, then adjust IC002 pin ⑪ till achieving HIGH (more than 3.3V).
2) When IC002 pin ⑪ become HIGH, check to output 333Hz, −8dBs to CN001 pins ④ and ⑤.

6. Playback Level Adjustment (HF-9 Board)

Mode	PB
Signal	Alignment tape (HiFi 400Hz)
Measurement point	Audio line output (L, R)
Measurement equipment	Audio level meter
Adjustment element	Lch : RV007 Rch : RV004
Specified value	−7.5±0.1dBs

[Adjustment Method]

1) Adjust a playback level to −7.5±0.1dBs for both L and R channels with RV007 and RV004, respectively.

8-6-2. Normal Audio System Adjustment

- Make adjustment in the SP mode, unless otherwise specified. Use a normal VHS cassette for an adjustment tape.
- Make adjustment with the switches set to the following positions.
  INPUT SELECT ························ LINE1
  AUDIO MONITOR ················ NORMAL

[Adjustment Sequence]

1. **ACE Head Adjustment·········See Mechanism Block Adjustment.**
2. **E-E Output Level Check**
3. **Recording Bias Adjustment**
4. **Overall Level Characteristic and Distortion Factor Check**
5. **Overall S/N Check**

1. ACE Head Adjustment

See "Mechanism Block Adjustment".

2. E-E Output Level Check

Mode	E-E
Signal	L, R : 400Hz, −7.5dBs
Measurement point	IO-20 board
Measurement equipment	Audio level meter
Specified value	−7.5±2dBs

[Confirmation Method]

1) Simultaneously input a signal of 400Hz, −7.5dBs to both L and R channels of Audio Line Input.
2) Confirm that the audio output level is −7.5±2dBs.

3. Recording Bias Adjustment (MA-29 Board)

Mode	REC and PB
Signal	400Hz, −30dBs 7kHz, −30dBs
Measurement point	IO-20 board (Audio output)
Measurement equipment	Audio level meter
Adjustment element	RV251
Specified value	0±1dB

Note : "Playback frequency characteristic check"and "playback output level adjustment" must have been completed.

[Adjustment Method]

1) Supply a signal of 400Hz, −30dBs to Audio Line Input.
2) Connect the audio level meter to the Audio Line Output.
3) Adjust the attenuator so that the audio level meter will indicate −30dBs.
4) Make recording in the SP mode.
5) Set an audio line input signal to 7kHz and make recording.
6) Playback a recorded portion, and measure output levels at 400Hz and 7kHz.
7) Confirm that the 7kHz playback output level is within a range of the 400Hz playback output level 0±1dB. When beyond this range, adjust RV251 and repeat the steps (1) through (7) above.

4. Overall Level Characteristic and Distortion Factor Check

Mode	REC and PB
Signal	400Hz, −7.5dBs
Measurement point	IO-20 board (Audio output)
Measurement equipment	Audio level meter and distortion factor gauge
Specified value	Playback level : −7.5±2dBs Distortion factor : 4% or less

[Confirmation Method]

1) Supply an audio signal of 400Hz, −7.5dBs simultaneously to both L and R channels of Audio Line Input.
2) Make recording.
3) Playback a recorded portion.
4) Confirm that a playback level is −7.5±2dBs.
5) Confirm that a distortion factor is within 4%.

5. Overall S/N Check

Mode	REC and PB
Signal	400Hz, −7.5dBs, and no signal
Measurement point	IO-20 board (Audio output)
Measurement equipment	Audio level meter
Specified value	38dB or more

[Confirmation Method]
1) Supply a signal of 400Hz simulataneously to both L and R channels of Audio Line Input. Adjust the attenuator so that the L channel audio line output level will be −7.5dBs.
2) Make recording.
3) With the REC mode held, make the no signal state. (Short an input for both L and R.)
4) Playback a recorded portion, and confirm that there is a level difference of 38dB or more between 400Hz portion and no signal portion (immediately after a 400Hz signal).

8-7. TUNER SYSTEM ADJUSTMENT

8-7-1. RF AGC Adjustment (IF001 Unit/TU-01 Board)

Signal	Broadcast TV signal
Adjustment element	VR of IF001 unit (Fig. 9-28)

[Adjustment Method]
1) Adjust the monitor TV to a maximum contrast.
2) Turn the VR to make snow noise visible.
3) Turn the VR in an opposite direction and set it to the point where the snow noise disappears.
4) Receive each channel and confirm that there are no beat picture corruption snow noises due to cross modulation.

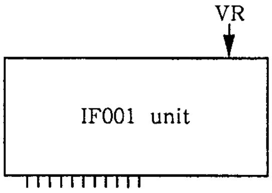


Fig. 8-24.

8-7-2. Receive Separation Adjustment (TU-01 Board)

Signal	Stereo Lch : 400Hz, 100% modulation Rch : No modulation
Connection point	Audio line output : L and R channels
Measurement equipment	Oscilloscope
Adjustment element	RV001

[Setting of The Switch]
RV004-1 (MF-48 board) …Center click
RV004-2 (MF-48 board) …Center click

[Adjustment Method]
1) Set the sound multiplex signal generator in the Stereo mode, and set only Lch to 400Hz, 100% modulation.
2) Connect the oscilloscope to the Rch of Audio Line Output.
3) Adjust RV001 to minimize Rch output. When this is done, do not fully turn RV001. (The "STEREO"LED must be illuminated).

8-8. NAICAM SYSTEM ADJUSTMENT

8-8-1. Eye Pattran Adjustment (NA-7 Board)

Mode	NICAM ch received
Signal	Color bar
Measurement point	CH1 : IC001 pin ⑲ CH2 : IC001 pin ⑳
Measurement equipment	Oscilloscope
Adjustment element	CV01
Specified value	Confirm waveform by X-Y mode

Confirm that waveform as OK in Fig observed cleary and with out tilt.

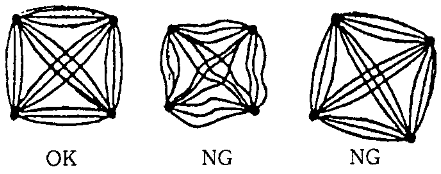


Fig. 8-25.

8-8-2. VCO Adjustment (NA-7 Board)

Mode	NICAM ch received
Signal	no-signal
Measurement point	IC001 pin ㉖
Measurement equipment	Frequency counter
Adjustment element	CV02
Specified value	5.824MHz±30Hz

Note : Shorted IC001 pin ⑫ and ㉑.

8-9. MODE CONTROL ADJUSTMENT

8-9-1. Clock Adjustment (MF-48 Board)

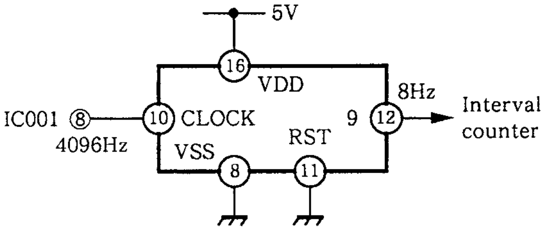
Measurement point	IC001 pin ⑧
Measurement equipment	Interval counter
Adjustment element	CV001
Specified value	0.125±0.0000005sec

[Adjustment Method]

1) Pass a 9-state binary counter through pin ⑧ of IC001, to divide the 4096Hz frequency nine times and transform to 8Hz.Measure the cycle.
2) Adjust CV001 so that an 8Hz cycle equals 0.125 ±0.0000005 seconds.

Note : Do not adjust CV001 except when replacing microcomputers.

9 Stage Binary Counter Reference



IC μ PD4020B or μ PD4040B

8-9-2. Level Meter Adjustment (MF-48 Board)

Signal	400Hz, −7.5dBs
Input point	CN003 pin ⑥ (⑧)
Adjustment element	RV002 (RV003)
Specified value	Level meter "0dB" LED must be illuminated

( ) : Rch

[Setting of The Switch]

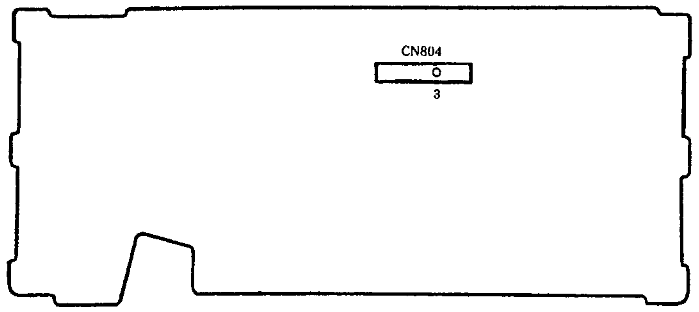
RV004-1 (MF-48 board) ···Center click
RV004-2 (MF-48 board) ···Center click

[Adjustment Method]

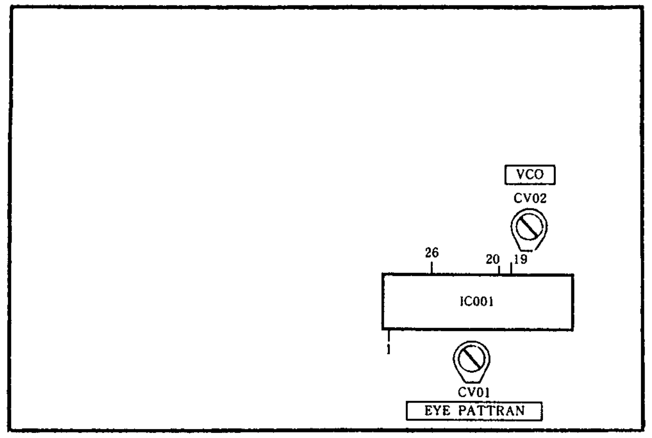
1) Input 400Hz, −7.5dBs to CN003 pin⑥ (pin⑧).
2) Ajust RV002 (RV003) in order to blink 0dB display at each channels level meter.

8-10. ADJUSTMENT ELEMENTS LOCATION

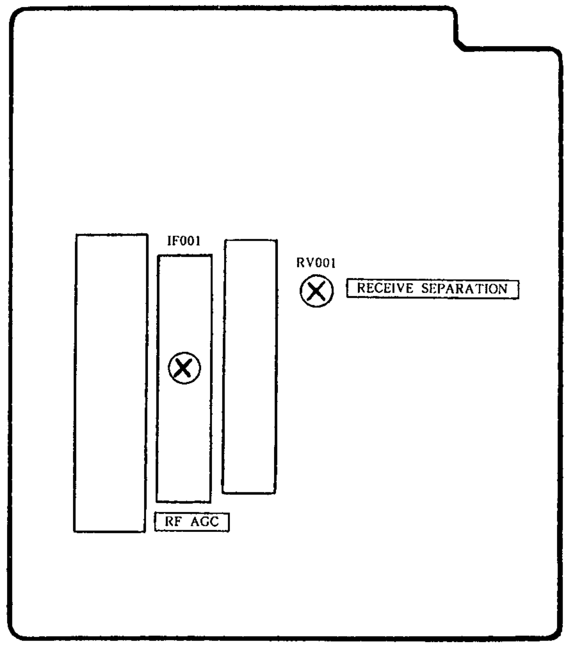
RP-63 BOARD (COMPONENT SIDE)



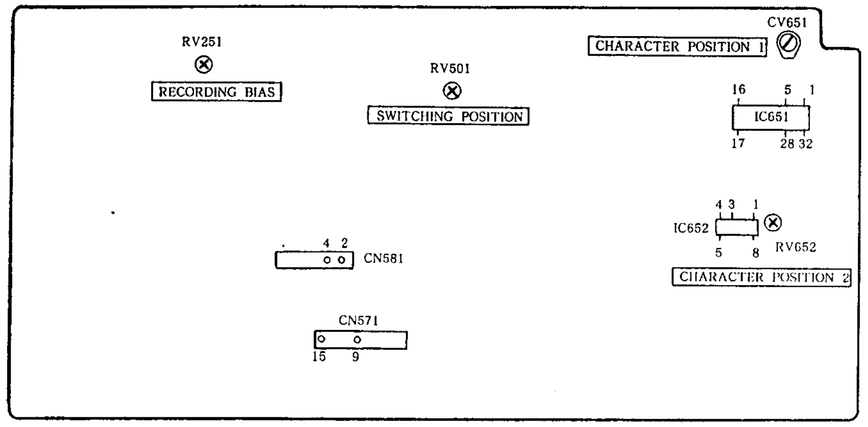
NA-7 BOARD (COMPONENT SIDE)


VCO
CV02
26
20
19
IC001
1
CV01
EYE PATTRAN

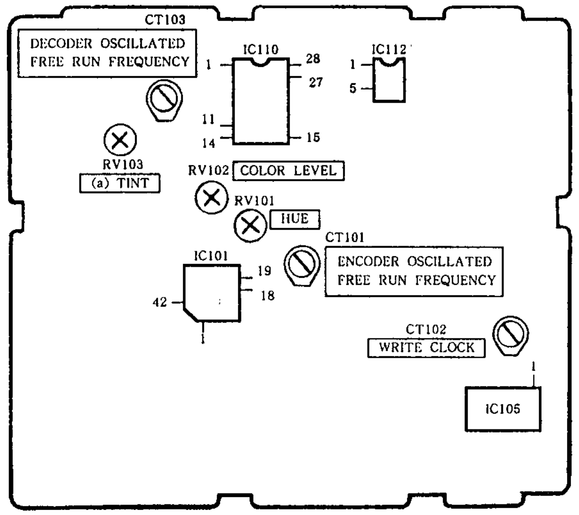
TU-01 BOARD (COMPONENT SIDE)


IF001
RV001
RECEIVE SEPARATION
RF AGC

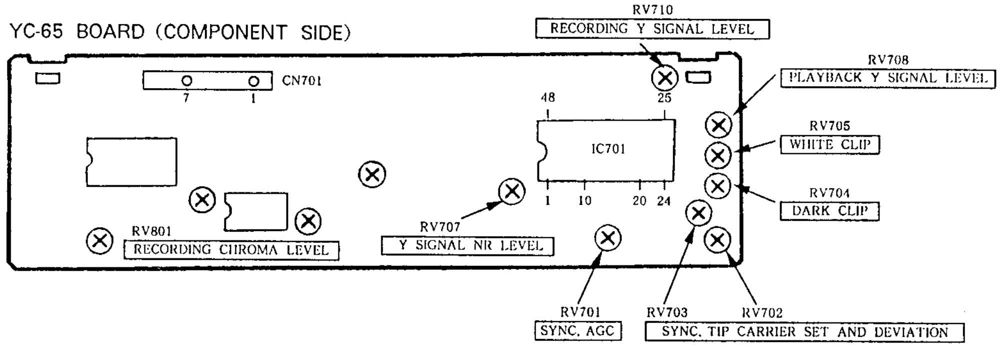
MA-29 BOARD (COMPONENT SIDE)


RV251
RECORDING BIAS
RV501
SWITCHING POSITION
CV651
CHARACTER POSITION 1
16 5 1
IC651
17 28 32
4 3 1
IC652
5 8
RV652
CHARACTER POSITION 2
4 2
CN581
CN571
15 9

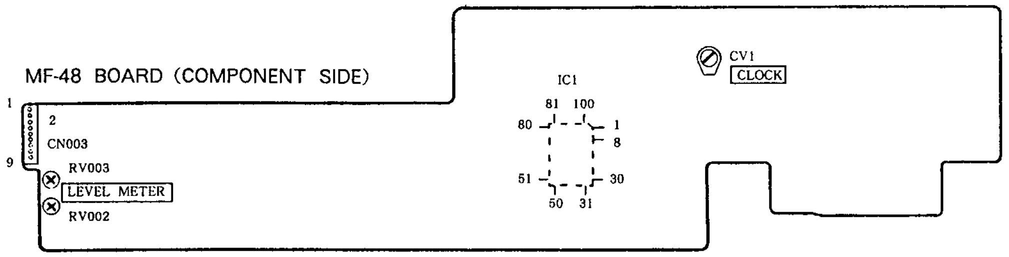
DG-2 BOARD (COMPONENT SIDE)


CT103
DECODER OSCILLATED FREE RUN FREQUENCY
IC110
1
28
27
11
14
15
IC112
1
5
RV103
(a) TINT
RV102
COLOR LEVEL
RV101
HUE
CT101
ENCODER OSCILLATED FREE RUN FREQUENCY
IC101
19
18
42
1
CT102
WRITE CLOCK
1
IC105

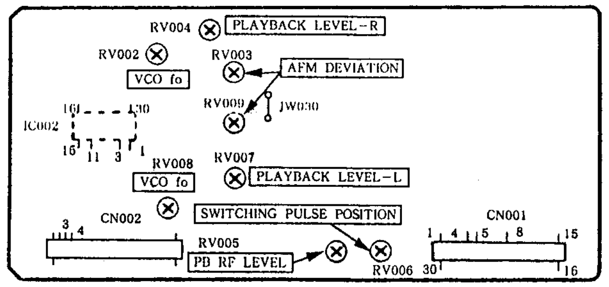
YC-65 BOARD (COMPONENT SIDE)


RV710
RECORDING Y SIGNAL LEVEL
CN701
7
1
48
25
IC701
1
10
20
24
RV708
PLAYBACK Y SIGNAL LEVEL
RV705
WHITE CLIP
RV704
DARK CLIP
RV801
RECORDING CHROMA LEVEL
RV707
Y SIGNAL NR LEVEL
RV701
SYNC. AGC
RV703
RV702
SYNC. TIP CARRIER SET AND DEVIATION

MF-48 BOARD (COMPONENT SIDE)


1
2
9
CN003
RV003
LEVEL METER
RV002
IC1
81 100
80
1
8
51
30
50 31
CV1
CLOCK

HF-9 BOARD (COMPONENT SIDE)


RV004
PLAYBACK LEVEL-R
RV002
VCO fo
RV003
AFM DEVIATION
RV009
JW030
IC002
16
11
3
1
RV008
VCO fo
RV007
PLAYBACK LEVEL-L
SWITCHING PULSE POSITION
CN002
3 4
RV005
PB RF LEVEL
RV006
CN001
1 4 5 8 15
30 16